

**SIEMENS**

***MK8000 OPC Server Interface  
Specification for SPC***

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## SPC

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SPC is an intrusion detection panel that supports both wired and wireless intrusion devices and a LAN interface.

The SPC Controller is equipped with eight on-board wired zones and six programmable outputs.

The SPC control unit is integrated in MM8[http://10.255.220.251/poseidon/PropertyForm.aspx?](http://10.255.220.251/poseidon/PropertyForm.aspx?PAGE=General&SUBSYSTEMID=128&VERSIONID=385&ISBLOCKED=False000)

[PAGE=General&SUBSYSTEMID=128&VERSIONID=385&ISBLOCKED=False000](http://10.255.220.251/poseidon/PropertyForm.aspx?PAGE=General&SUBSYSTEMID=128&VERSIONID=385&ISBLOCKED=False000) via the Ethernet interface using the Europlex Datagram Protocol (EDP ) or the FlexC protocol.

The modems and alerts objects are supported only if the SPC is linked via the FlexC protocol.

### Summary view

SPC Model

|                            |                      |           |
|----------------------------|----------------------|-----------|
| SPC Application            | Obj. Name: INNOAPMN  | NT ID: 1  |
| Physical Tree              | Obj. Name: UDUDOLMN  | NT ID: 2  |
| Main Board                 | Obj. Name: INNOCCGE  | NT ID: 40 |
| Main Board Power Supply    | Obj. Name: INNOPSGE  | NT ID: 43 |
| X-BUS Devices              | Obj. Name: UDUDOLMN  | NT ID: 32 |
| I/O Expander               | Obj. Name: INNOIBET  | NT ID: 50 |
| Analyzed I/O Expander      | Obj. Name: INNOIBSV  | NT ID: 51 |
| Audio Expander             | Obj. Name: HWNOEPAB  | NT ID: 45 |
| Indicator                  | Obj. Name: HWCCTGE   | NT ID: 46 |
| Two reader door controller | Obj. Name: HWDEEPPDM | NT ID: 48 |
| KeyPad                     | Obj. Name: INUDKBET  | NT ID: 49 |
| Modem                      | Obj. Name: HWCMRUGE  | NT ID: 56 |
| Alerts                     | Obj. Name: INDECCAL  | NT ID: 69 |
| Logical Tree               | Obj. Name: UDUDOLMN  | NT ID: 3  |
| System                     | Obj. Name: INNOORGE  | NT ID: 20 |
| Area                       | Obj. Name: INNOARGE  | NT ID: 21 |
| Alarm Zone                 | Obj. Name: INNOZOGA  | NT ID: 22 |
| Fire Zone                  | Obj. Name: FINOZOGA  | NT ID: 23 |
| Emergency exit Zone        | Obj. Name: INNOZOEE  | NT ID: 24 |
| EntryExit Zone             | Obj. Name: INBUZOGA  | NT ID: 25 |
| Line Zone                  | Obj. Name: INNOZO24  | NT ID: 26 |
| Medical Zone               | Obj. Name: INMEZOGA  | NT ID: 31 |
| Hold-up Zone               | Obj. Name: INNOZOMA  | NT ID: 28 |
| Tamper Zone                | Obj. Name: INTAZOGA  | NT ID: 29 |

|                   |                     |           |
|-------------------|---------------------|-----------|
| Control Zone      | Obj. Name: INCOZOG  | NT ID: 30 |
| Panic Alarm Zone  | Obj. Name: INPAZOG  | NT ID: 27 |
| Exit Term Zone    | Obj. Name: INBUZOOT | NT ID: 59 |
| Fault zone        | Obj. Name: INNOZOF  | NT ID: 62 |
| Seismic zone      | Obj. Name: INBUZOK  | NT ID: 63 |
| Lock Element Zone | Obj. Name: INDEZOL  | NT ID: 70 |

|               |                     |           |
|---------------|---------------------|-----------|
| Mapping gates | Obj. Name: UDUDOLMN | NT ID: 52 |
|---------------|---------------------|-----------|

|              |                     |           |
|--------------|---------------------|-----------|
| Mapping gate | Obj. Name: INNOOULO | NT ID: 53 |
|--------------|---------------------|-----------|

|       |                     |           |
|-------|---------------------|-----------|
| Doors | Obj. Name: UDUDOLMN | NT ID: 60 |
|-------|---------------------|-----------|

|      |                     |           |
|------|---------------------|-----------|
| Door | Obj. Name: ACCODRDM | NT ID: 61 |
|------|---------------------|-----------|

SPC Application - ( INNOAPMN )

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| Multistate | Commands |         |       |          |         |           |          |          |          |           |          |             |
|------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|            | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |

1000 Quiet ✓

No abnormal conditions present.

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1100 Test ✓

An engineer is working in full engineer mode on the control unit.

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1350 Anomaly Unreset ✓ ✓

The event should now be reset by the operator.

---

1352 Anomaly Unack ✓ ✓

The event should now be acknowledged by the operator.

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1369 Not Aligned

The control unit is not aligned to the field.

---

1370 Alignment In Progress

The alignment fase is in progress.

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1999 Fault Ack

The Control unit is not reachable or some critical fault are detected. The event has been acknowledged.

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Physical Tree - ( UDUDOLMN )

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| Multistate | Commands |         |       |          |         |           |          |          |          |           |          |             |
|------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|            | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |

1000 Quiet

No abnormal conditions present.

---

Logical Tree - ( UDUDOLMN )

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| Multistate | Commands |         |       |          |         |           |          |          |          |           |          |             |
|------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|            | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |

1000 Quiet

No abnormal conditions present.

---



**System - ( INNOORGE )**

The `System` object represents the possible general conditions related to the SPC control unit.

| Multistate | Commands |         |       |          |         |           |          |          |          |           |          |             |
|------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|            | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |

402 Alarm & Tamper Unreset ✓

This event is the combination of the Alarm and Tamper state. The event should now be reset by the operator.

502 Alarm Unreset ✓

The duress alarm has been detected. The event should now be reset by the operator.

902 Tamper Unreset ✓

The bell tamper has been detected. The event should now be reset by the operator.

1000 Quiet

No abnormal conditions present.

1351 Anomaly Ack

The event has been acknowledged.

1352 Anomaly Unack ✓

The event should now be acknowledged by the operator.

**Area - ( INNOARGE )**

The Area usually controls the alarm organization (Set / Unset / Partset). Further, it provides the functionality for switching associated zones (inhibit, deinhibit, isolate, deisolate, test etc.).

| Multistate  | Commands |         |       |          |         |           |          |          |          |           |          |             |
|---|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|   | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 1000 Quiet  |          |         |       | ✓        |         |           |          |          |          | ✓         | ✓        |             |
| No abnormal conditions present.                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 1300 Disarmed   |          |         | ✓     |          |         |           |          |          |          | ✓         | ✓        |             |
| The Area is in day mode.                              |          |         |       |          |         |           |          |          |          |           |          |             |
| 1316 Manual   |          |         |       | ✓        |         |           | ✓        |          |          | ✓         |          |             |
| The Area is in state part A unset                     |          |         |       |          |         |           |          |          |          |           |          |             |
| 1326 Blocked  |          |         |       | ✓        |         |           | ✓        |          |          |           | ✓        |             |
| The Area is in state part B Unset.                    |          |         |       |          |         |           |          |          |          |           |          |             |
| 1351 Anomaly Ack                                      |          |         |       | ✓        |         |           |          |          |          | ✓         | ✓        |             |
| The event has been acknowledged.                      |          |         |       |          |         |           |          |          |          |           |          |             |
| 1352 Anomaly Unack                                    | ✓        |         |       | ✓        |         |           |          |          |          | ✓         | ✓        |             |
| The event should now be acknowledged by the operator. |          |         |       |          |         |           |          |          |          |           |          |             |

## Alarm Zone - ( INNOZOGÉ )

The ALARM zone type is the default zone type setting and is also the most frequently used zone type for standard installations.

|  | Multistate            | Commands |         |       |          |         |           |          |          |          |           |          |             |
|--|-----------------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|  |                       | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 500  | Alarm Unack           | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be acknowledged by the operator.                                      |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 502  | Alarm Unreset         |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be reset by the operator.   |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 510  | Alarm & Fault Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event should now be acknowledged by the operator |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 512  | Alarm & Fault Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event should now be reset by the operator.       |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 900  | Tamper Unack          | ✓        |         |       |          |         |           |          |          |          |           |          |             |
| A tamper or a masked event is present.<br>The event should now be acknowledged by the operator.                  |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 902  | Tamper Unreset        |          | ✓       |       |          |         |           |          |          |          |           |          |             |
| A tamper or a masked event is present.<br>The event should now be reset by the operator.                         |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 950  | Active                |          |         |       |          |         |           |          | ✓        |          |           |          |             |
| 1000   | Quiet                 |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.  |                       |          |         |       |          |         |           |          |          |          |           |          |             |

1300 Disarmed ✓ ✓

The zone has been inhibited.

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1351 Anomaly Ack ✓ ✓

The zone is not ready. The event has been acknowledged.

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1400 Disconnected ✓ ✓

The zone has been isolated.

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1998 Fault Unreset ✓ ✓ ✓

The zone is in fault. The event should now be reset by the operator.

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2000 Fault Unack ✓ ✓ ✓

The zone is in fault. The event should now be acknowledged by the operator.

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## Fire Zone - ( FINOZOG )

Fire zones are 24-hour zones for fire monitoring and their response is independent of panel operating mode. When any fire zone opens, a full alarm is generated and the FIRE output type is activated. If the 'Report only' attribute is set then activation will only be reported to the central station and a Full Alarm will not be generated.

| Multistate | Commands |         |       |          |         |           |          |          |          |           |          |             |
|------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|            | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |

500 Alarm Unack

✓

✓

The zone is in alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset

✓

✓

The zone is in alarm. The event should now be reset by the operator.

900 Tamper Unack

✓

✓

A tamper has been evaluated. The event should now be acknowledged by the operator.

902 Tamper Unreset

✓

✓

A tamper has been evaluated.

The event should now be reset by the operator.

950 Active

✓

The zone is active.

1000 Quiet

✓

No abnormal conditions present.

1351 Anomaly Ack

✓

The zone is not ready. The event has been acknowledged.

1400 Disconnected

✓

The zone has been isolated.

1998 Fault Unreset

✓

✓

The zone is in fault. The event should now be reset by the operator.

2000 Fault Unack



The zone is in fault. The event should now be acknowledged by the operator.

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## Emergency exit Zone - ( INNOZOE )

This is a special type of 24-hour zone for use with fire exit doors that should never be opened. In Unset mode, an activation of this zone will trip the Fire-X output, causing alert messages and sounding the Keypad buzzer and internal sounder.

|  | Multistate            | Commands |         |       |          |         |           |          |          |          |           |          |             |
|--|-----------------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|  |                       | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 500  | Alarm Unack           | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be acknowledged by the operator.                                      |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 502  | Alarm Unreset         |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be reset by the operator.   |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 510  | Alarm & Fault Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event should now be acknowledged by the operator |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 512  | Alarm & Fault Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event should now be reset by the operator.       |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 900  | Tamper Unack          | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a tamper or a masked event. The event should now be acknowledged by the operator.             |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 902  | Tamper Unreset        |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a tamper or a masked event.<br>The event should now be reset by the operator.                 |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 950  | Active                |          |         |       | ✓        |         |           | ✓        | ✓        |          |           |          |             |
| 1000   | Quiet                 |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.  |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 1300   | Disarmed              |          |         | ✓     |          |         |           |          | ✓        |          |           |          |             |
| The zone has been inhibited.   |                       |          |         |       |          |         |           |          |          |          |           |          |             |

1351 Anomaly Ack ✓ ✓

The zone is not ready. The event has been acknowledged.

---

1400 Disconnected ✓ ✓

The zone has been isolated.

---

1998 Fault Unreset ✓ ✓ ✓

The zone is in fault. The event should now be reset by the operator.

---

2000 Fault Unack ✓ ✓ ✓

The zone is in fault. The event should now be acknowledged by the operator.

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### EntryExit Zone - ( INBUZOG )

This object represent the following SPC object: ENTRY/EXIT: The entry/exit zone type should be assigned to all zones on an entry/exit route (i.e. a front door or other access area to the building or premises). This zone type provides an entry and exit time delay.

|  |                       | Commands |         |       |          |         |           |          |          |          |           |          |             |
|--|-----------------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|  |                       | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 500  | Alarm Unack           | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be acknowledged by the operator.                                      |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 502  | Alarm Unreset         |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be reset by the operator.   |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 510  | Alarm & Fault Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event should now be acknowledged by the operator |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 512  | Alarm & Fault Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event should now be reset by the operator.       |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 900  | Tamper Unack          | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a tamper or a masked event.<br>The event should now be acknowledged by the operator.          |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 902  | Tamper Unreset        |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a tamper or a masked event.<br>The event should now be reset by the operator.                 |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 950  | Active                |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is active   |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000   | Quiet                 |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.  |                       |          |         |       |          |         |           |          |          |          |           |          |             |

1300 Disarmed ✓ ✓

The zone has been inhibited.

---

1351 Anomaly Ack ✓ ✓

The zone is not ready. The event has been acknowledged.

---

1400 Disconnected ✓ ✓

The zone has been isolated.

---

1998 Fault Unreset ✓ ✓ ✓

The zone is in fault. The event should now be reset by the operator.

---

2000 Fault Unack ✓ ✓ ✓

The zone is in fault. The event should now be acknowledged by the operator.

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**Line Zone - ( INNOZO24 )**

Telemetry line monitoring input. This is usually used in conjunction with a telephone line health output from an external digital dialer or direct line communication system. When activated, it produces a local alarm in Unset mode and a full alarm in all other modes.

|   |                | Commands |         |       |          |         |           |          |          |          |           |          |             |
|---|----------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|   |                | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 500   | Alarm Unack    | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be acknowledged by the operator.                             |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 502   | Alarm Unreset  |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be reset by the operator.                                    |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 900   | Tamper Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a tamper or a masked event.<br>The event should now be acknowledged by the operator. |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 902   | Tamper Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a masked or a tamper event.<br>The event should now be reset by the operator.        |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 950   | Active         |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| 1000  | Quiet          |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.   |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1300  | Disarmed       |          |         | ✓     |          |         |           |          | ✓        |          |           |          |             |
| The zone has been inhibited.  |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1351  | Anomaly Ack    |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is not ready. The event has been acknowledged.   |                |          |         |       |          |         |           |          |          |          |           |          |             |

1352 Anomaly Unack ✓ ✓ ✓

The event should now be acknowledged by the operator.

---

1400 Disconnected ✓ ✓

The zone has been isolated.

---

1998 Fault Unreset ✓ ✓ ✓

The zone evaluated a fault.  
The event should now be reset by the operator.

---

2000 Fault Unack ✓ ✓ ✓

The zone evaluated a fault.  
The event should now be acknowledged by the operator.

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## Panic Alarm Zone - ( INPAZOGE )

Panic Alarm zone types are active on a 24-hour basis and activated via a panic button. When a Panic zone is activated it will report a Panic event, independent of panel arming mode. All activation's are logged and reported if log attribute is active. If the SILENT attribute is set then the alarm will be silent (Activation is reported to ARC), otherwise it will generate a Full alarm.

|  | Multistate            | Commands |         |       |          |         |           |          |          |          |           |          |             |
|--|-----------------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|  |                       | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 500  | Alarm Unack           | ✓        |         |       |          |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be acknowledged by the operator.                                      |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 502  | Alarm Unreset         |          | ✓       |       |          |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be reset by the operator.   |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 510  | Alarm & Fault Unack   | ✓        |         |       |          |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event should now be acknowledged by the operator |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 512  | Alarm & Fault Unreset |          | ✓       |       |          |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event should now be reset by the operator.       |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 900  | Tamper Unack          | ✓        |         |       |          |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a masked or a tamper event.<br>The event should now be acknowledged by the operator.          |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 902  | Tamper Unreset        |          | ✓       |       |          |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a tamper or a masked event.<br>The event should now be reset by the operator.                 |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 950  | Active                |          |         |       |          |         |           |          | ✓        |          |           |          |             |
| The zone is active.  |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000   | Quiet                 |          |         |       |          |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.  |                       |          |         |       |          |         |           |          |          |          |           |          |             |

1351 Anomaly Ack

✓

The zone is not ready. The event has been acknowledged.

---

1400 Disconnected

✓

The zone has been isolated.

---

1998 Fault Unreset

✓

✓

The zone is in fault. The event should now be reset by the operator.

---

2000 Fault Unack

✓

✓

The zone is in fault. The event should now be acknowledged by the operator.

---

## Hold-up Zone - ( INNOZOMA )

Hold-up zone types are active on a 24-hour basis and activated via a button. When a Hold-up zone is activated it will report a Hold-up event, independent of panel arming mode. If the SILENT attribute is set then the alarm will be silent, otherwise it will generate a full alarm. All activations are logged and reported if log attribute is active.

|  | Multistate            | Commands |         |       |          |         |           |          |          |          |           |          |             |
|--|-----------------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|  |                       | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 500  | Alarm Unack           | ✓        |         |       |          |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be acknowledged by the operator.                                      |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 502  | Alarm Unreset         |          | ✓       |       |          |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be reset by the operator.   |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 510  | Alarm & Fault Unack   | ✓        |         |       |          |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event should now be acknowledged by the operator |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 512  | Alarm & Fault Unreset |          | ✓       |       |          |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event should now be reset by the operator.       |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 900  | Tamper Unack          | ✓        |         |       |          |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a masked or a tamper event.<br>The event should now be acknowledged by the operator.          |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 902  | Tamper Unreset        |          | ✓       |       |          |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a masked or a tamper event.<br>The event should now be reset by the operator.                 |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 950  | Active                |          |         |       |          |         |           |          | ✓        |          |           |          |             |
| The zone is active   |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000   | Quiet                 |          |         |       |          |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.  |                       |          |         |       |          |         |           |          |          |          |           |          |             |

1351 Anomaly Ack

✓

The zone is not ready. The event has been acknowledged.

---

1400 Disconnected

✓

The zone has been isolated.

---

1998 Fault Unreset

✓

✓

The zone is in fault. The event should now be reset by the operator.

---

2000 Fault Unack

✓

✓

The zone is in fault. The event should now be acknowledged by the operator.

---



## Tamper Zone - ( INTAZOGE )

When open in the Unset mode, a Local Alarm is generated. If the system is Full Set, a Full alarm is generated. If the Security Grade of the system is set to Grade 3, then an engineer code is required to restore the alarm.

|   | Multistate     | Commands |         |       |          |         |           |          |          |          |           |          |             |
|---|----------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|   |                | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 500   | Alarm Unack    | ✓        |         |       |          |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be acknowledged by the operator.                             |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 502   | Alarm Unreset  |          | ✓       |       |          |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be reset by the operator.                                    |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 900   | Tamper Unack   | ✓        |         |       |          |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a masked or a tamper event.<br>The event should now be acknowledged by the operator. |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 902   | Tamper Unreset |          | ✓       |       |          |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a masked or a tamper event.<br>The event should now be reset by the operator.        |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 950   | Active         |          |         |       |          |         |           |          | ✓        |          |           |          |             |
| The zone is active.   |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000  | Quiet          |          |         |       |          |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.   |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1351  | Anomaly Ack    |          |         |       |          |         |           |          | ✓        |          |           |          |             |
| The zone is not ready. The event has been acknowledged.   |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1400  | Disconnected   |          |         |       |          |         |           |          |          | ✓        |           |          |             |
| The zone has been isolated.   |                |          |         |       |          |         |           |          |          |          |           |          |             |

1998 Fault Unreset

✓

✓

The event should now be reset by the operator.

---

2000 Fault Unack

✓

✓

The event should now be acknowledged by the operator.

---

## Control Zone - ( INCOZOG )

This object represents various zones: TECHNICAL: controls a dedicated tech zone output. When a tech zone changes state, the tech zone output follows. KEYARM: normally used in conjunction with a key lock mechanism. It will SET the system/area/common areas when OPENED and UNSET the System/Area/Common Areas when CLOSED. SHUNT: when opened, it inhibits all zones with shunt attribute set. This operation applies for both SET and UNSET modes. As soon as the shunt zone is closed, the zones with the shunt attribute set will become un-inhibited again. X-SHUNT: inhibits the next consecutive zone when opened. This operation applies for both SET and UNSET modes. As soon as the x-shunt zone type is closed, the next zone becomes un-inhibited again.

| Multistate | Commands |         |       |          |         |           |          |          |          |           |          |             |
|------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|            | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |

500 Alarm Unack

✓

✓

The zone evaluated an alarm.  
The event should now be acknowledged by the operator.

502 Alarm Unreset

✓

✓

The zone evaluated an alarm.  
The event should now be reset by the operator.

900 Tamper Unack

✓

✓

The zone evaluated a tamper. The event should now be acknowledged by the operator.

902 Tamper Unreset

✓

✓

The zone evaluated a tamper. The event should now be reset by the operator.

950 Active

✓

The zone has been activated.

1000 Quiet

✓

No abnormal conditions present.

1351 Anomaly Ack

✓

The zone is not ready. The event has been acknowledged.

1400 Disconnected

✓

The zone has been isolated.

1998 Fault Unreset



The zone is in fault. The event should now be reset by the operator.

---

2000 Fault Unack



The zone is in fault. The event should now be acknowledged by the operator.

---

## Medical Zone - ( INMEZOG )

This zone type is used in conjunction with radio or hardwired medical switches. Activation in any mode activates the medical digital communicator output (unless 'Local attribute' is set) cause the Keypad buzzer to sound (unless 'Silent attribute' is set) and display the Keypad message " MEDICAL ZONE X " where X is the zone number.

| Multistate | Commands |         |       |          |         |           |          |          |          |           |          |             |
|------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|            | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |

500 Alarm Unack ✓ ✓

The zone is in alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The zone is in alarm. The event should now be reset by the operator.

900 Tamper Unack ✓

The zone evaluated a tamper or a masked event.  
The event should now be acknowledged by the operator.

902 Tamper Unreset ✓

The zone evaluated a tamper or a masked event.  
The event should now be reset by the operator.

950 Active

The zone is active

1000 Quiet ✓

No abnormal conditions present.

1351 Anomaly Ack ✓

The zone is not ready. The event has been acknowledged.

1400 Disconnected ✓

The zone has been isolated.

1998 Fault Unreset



The zone is in fault. The event should now be reset by the operator.

---

2000 Fault Unack



The zone is in fault. The event should now be acknowledged by the operator.

---

## X-BUS Devices - ( UDUDOLMN )

---

The X-BUS interface provides for the connection of Expanders to the SPC Controller.  
The X-BUS can be configured in Closed Loop or in Open Loop.

| Multistate | Commands |         |       |          |         |           |          |          |          |           |          |             |
|------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|            | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |

1000 Quiet

No abnormal conditions present.

---

## Lock Supervision Zone - ( INCOZOLM )

An activated "Lock supervision" input prevents the assigned area from setting (e.g. door must be closed and locked before setting is possible). No effect if area is set.

| Multistate | Commands |         |       |          |         |           |          |          |          |           |          |             |
|------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|            | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |

1000 Quiet

✓

✓

No abnormal conditions present.

1300 Disarmed

✓

✓

The zone has been inhibited.

1351 Anomaly Ack

✓

✓

The zone is not ready. The event has been acknowledged.

1400 Disconnected

✓

✓

The zone has been isolated.



## Main Board - ( INNOCGE )

The Main Board provides the following features: - 8 on-board inputs; - 6 output; - 1 Ethernet interface; - 1 X-BUS communication interface

| Multistate | Commands |         |       |          |         |           |          |          |          |           |          |             |
|------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|            | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |

900 Tamper Unack ✓ ✓ ✓

The cabinet tamper has been detected. The event should now be acknowledged by the operator.

902 Tamper Unreset ✓ ✓ ✓

The cabinet tamper has been detected. The event should now be reset by the operator.

1000 Quiet ✓ ✓

No abnormal conditions present.

1300 Disarmed ✓ ✓

This state is available only if the SPC is connected via FlexC protocol and means that some kinds of events are inhibited. In the same way the Disarm command in the other states is available only if the FlexC protocol is used.

1400 Disconnected ✓

This state is available only if the SPC is connected via FlexC protocol and means that some kinds of events are isolated. In the same way the Disconnect command in the other states is available only if the FlexC protocol is used.

## Main Board Power Supply - ( INNOPSGE )

Power supply on the Main Board.

| Multistate | Commands |         |       |          |         |           |          |          |          |           |          |             |
|------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|            | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |

1000 Quiet ✓ ✓

No abnormal conditions present.

1300 Disarmed ✓ ✓

This state is available only if the SPC is connected via FlexC protocol and means that some kinds of events are inhibited.  
In the same way the Disarm command in the other states is available only if the FlexC protocol is used.

1400 Disconnected ✓

This state is available only if the SPC is connected via FlexC protocol and means that some kinds of events are isolated.  
In the same way the Disconnect command in the other states is available only if the FlexC protocol is used.

1998 Fault Unreset ✓ ✓ ✓

The Main Board Power Supply is in fault. The event should now be reset by the operator.

2000 Fault Unack ✓ ✓ ✓

The Main Board Power Supply is in fault. The event should now be acknowledged by the operator.

## Audio Expander - ( HWNOEPAB )

The Audio Expander is an expansion module.

| Multistate   |                        | Commands |         |       |          |         |           |          |          |          |           |          |             |
|--|------------------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|  |                        | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 900  | Tamper Unack           | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper occurred.<br>The event should now be acknowledged by the operator.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 902  | Tamper Unreset         |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper occurred.<br>The event should now be reset by the operator.   |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 910  | Tamper & Fault Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Tamper and Fault state. The event should now be acknowledged by the operator.   |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 911  | Tamper & Fault Ack     |          |         |       | ✓        |         |           |          |          |          |           |          |             |
| This event is the combination of the Tamper and Fault state. The event has been acknowledged.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 912  | Tamper & Fault Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Tamper and Fault state. The event should now be reset by the operator.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000   | Quiet                  |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 1300   | Disarmed               |          |         | ✓     |          |         |           |          |          |          |           |          |             |
| Some kinds of faults and/or tamper are inhibited. This vale is possible only if the FlexC protocol is used.<br>In the same way the Disarm command in the other states is available only if the FlexC protocol is used.     |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 1400   | Disconnected           |          |         |       | ✓        |         |           |          |          | ✓        |           |          |             |
| Some kinds of faults and/or tamper are isolated. This value is possible only if the FlexC protocol is used.<br>In the same way the Disconnect command in the other states is available only if the FlexC protocol is used. |                        |          |         |       |          |         |           |          |          |          |           |          |             |

1998 Fault Unreset ✓ ✓ ✓

A fault occurred.  
The event should now be reset by the operator.

---

1999 Fault Ack ✓ ✓

A fault occurred.  
The event has been acknowledged.

---

2000 Fault Unack ✓ ✓ ✓

A fault occurred.  
The event should now be acknowledged by the operator.

---

**Indicator - ( HWC0CTGE )**

The Indicator is an expansion module.

|  | Multistate             | Commands |         |       |          |         |           |          |          |          |           |          |             |
|--|------------------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|  |                        | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 900  | Tamper Unack           | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper occurred.<br>The event should now be acknowledged by the operator.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 902  | Tamper Unreset         |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper occurred.<br>The event should now be reset by the operator.   |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 910  | Tamper & Fault Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Tamper and Fault state. The event should now be acknowledged by the operator.   |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 911  | Tamper & Fault Ack     |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Tamper and Fault state. The event has been acknowledged.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 912  | Tamper & Fault Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Tamper and Fault state. The event should now be reset by the operator.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000   | Quiet                  |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 1300   | Disarmed               |          |         | ✓     |          |         |           |          | ✓        |          |           |          |             |
| Some kinds of faults and/or tamper are inhibited. This value is possible only if the FlexC protocol is used.<br>In the same way the Disarm command in the other states is available only if the FlexC protocol is used.    |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 1400   | Disconnected           |          |         |       |          |         |           |          |          | ✓        |           |          |             |
| Some kinds of faults and/or tamper are isolated. This value is possible only if the FlexC protocol is used.<br>In the same way the Disconnect command in the other states is available only if the FlexC protocol is used. |                        |          |         |       |          |         |           |          |          |          |           |          |             |

1998 Fault Unreset ✓ ✓ ✓

A fault occurred.  
The event should now be reset by the operator.

---

1999 Fault Ack ✓ ✓

A fault occurred.  
The event has been acknowledged.

---

2000 Fault Unack ✓ ✓ ✓

A fault occurred.  
The event should now be acknowledged by the operator.

---

## Key switch - ( HWCODIMA )

The Key Switch is an expansion module.

|  | Multistate             | Commands |         |       |          |         |           |          |          |          |           |          |             |
|--|------------------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|  |                        | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 900  | Tamper Unack           | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper occurred.<br>The event should now be acknowledged by the operator.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 902  | Tamper Unreset         |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper occurred.<br>The event should now be reset by the operator.   |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 910  | Tamper & Fault Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Tamper and Fault state. The event should now be acknowledged by the operator.   |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 911  | Tamper & Fault Ack     |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Tamper and Fault state. The event has been acknowledged.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 912  | Tamper & Fault Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Tamper and Fault state. The event should now be reset by the operator.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000   | Quiet                  |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 1300   | Disarmed               |          |         | ✓     |          |         |           |          | ✓        |          |           |          |             |
| Some kinds of faults and/or tamper are inhibited. This value is possible only if the FlexC protocol is used.<br>In the same way the Disarm command in the other states is available only if the FlexC protocol is used.    |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 1400   | Disconnected           |          |         |       |          |         |           |          |          | ✓        |           |          |             |
| Some kinds of faults and/or tamper are isolated. This value is possible only if the FlexC protocol is used.<br>In the same way the Disconnect command in the other states is available only if the FlexC protocol is used. |                        |          |         |       |          |         |           |          |          |          |           |          |             |

1998 Fault Unreset ✓ ✓ ✓

A fault occurred.  
The event should now be reset by the operator.

---

1999 Fault Ack ✓ ✓

A fault occurred.  
The event has been acknowledged.

---

2000 Fault Unack ✓ ✓ ✓

A fault occurred.  
The event should now be acknowledged by the operator.

---



## Two reader door controller - ( HWDEEPDM )

The Two reader door controller is an expansion module.

|  |                          | Commands |         |       |          |         |           |          |          |          |           |          |             |
|--|--------------------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|  |                          | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 800  | Prealarm Unack           | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This state is available only if the FlexC protocol is used and it means that a code tamper event is present. The event should now be acknowledged by the operator.               |                          |          |         |       |          |         |           |          |          |          |           |          |             |
| 802  | Prealarm Unreset         |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This state is available only if the FlexC protocol is used and it means that a code tamper event is present. The event should now be reset by the operator.                      |                          |          |         |       |          |         |           |          |          |          |           |          |             |
| 810  | Prealarm & Fault Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This state is available only if the FlexC protocol is used. This event is the combination of the Prealarm and Fault state. The event should now be acknowledged by the operator. |                          |          |         |       |          |         |           |          |          |          |           |          |             |
| 811  | Prealarm & Fault Ack     |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This state is available only if the FlexC protocol is used. This event is the combination of the Prealarm and Fault state. The event has been acknowledged.                      |                          |          |         |       |          |         |           |          |          |          |           |          |             |
| 812  | Prealarm & Fault Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This state is available only if the FlexC protocol is used. This event is the combination of the Prealarm and Fault state. The event should now be reset by the operator.        |                          |          |         |       |          |         |           |          |          |          |           |          |             |
| 900  | Tamper Unack             | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper occurred.<br>The event should now be acknowledged by the operator.  |                          |          |         |       |          |         |           |          |          |          |           |          |             |
| 902  | Tamper Unreset           |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper occurred.<br>The event should now be reset by the operator.   |                          |          |         |       |          |         |           |          |          |          |           |          |             |
| 910  | Tamper & Fault Unack     | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Tamper and Fault state. The event should now be acknowledged by the operator.   |                          |          |         |       |          |         |           |          |          |          |           |          |             |

911 Tamper & Fault Ack ✓ ✓

This event is the combination of the Tamper and Fault state. The event has been acknowledged.

912 Tamper & Fault Unreset ✓ ✓ ✓

This event is the combination of the Tamper and Fault state. The event should now be reset by the operator.

1000 Quiet ✓ ✓

No abnormal conditions present.

1300 Disarmed ✓ ✓

This state is available only if the SPC is connected via FlexC protocol and means that some kinds of events are inhibited. In the same way Disarm command is available only if the FlexC protocol is used.

1400 Disconnected ✓

This state is available only if the SPC is connected via FlexC protocol and means that some kinds of events are isolated. In the same way the Disconnect command in the other states is available only if the FlexC protocol is used.

1998 Fault Unreset ✓ ✓ ✓

A fault occurred.  
The event should now be reset by the operator.

1999 Fault Ack ✓ ✓

A fault occurred.  
The event has been acknowledged.

2000 Fault Unack ✓ ✓ ✓

A fault occurred.  
The event should now be acknowledged by the operator.

## KeyPad - ( INUDKBET )

The KeyPad is an expansion module.

|  | Multistate             | Commands |         |       |          |         |           |          |          |          |           |          |             |
|--|------------------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|  |                        | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 400  | Alarm & Tamper Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Tamper state. The event should now be acknowledged by the operator. |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 402  | Alarm & Tamper Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Tamper state. The event should now be reset by the operator.        |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 500  | Alarm Unack            | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A severe alarm is present. The event should now be acknowledged by the operator.                                   |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 502  | Alarm Unreset          |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A severe alarm is present. The event should now be reset by the operator.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 510  | Alarm & Fault Unack    | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event should now be acknowledged by the operator   |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 511  | Alarm & Fault Ack      |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event has been acknowledged.                       |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 512  | Alarm & Fault Unreset  |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event should now be reset by the operator.         |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 800  | Prealarm Unack         | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The event should now be acknowledged by the operator.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 802  | Prealarm Unreset       |          | ✓       |       | ✓        |         |           |          |          |          |           |          |             |
| The event should now be reset by the operator.   |                        |          |         |       |          |         |           |          |          |          |           |          |             |

|     |                        |   |   |  |
|-----|------------------------|---|---|--|
| 810 | Prealarm & Fault Unack | ✓ | ✓ |  |
|-----|------------------------|---|---|--|

This event is the combination of the Prealarm and Fault state. The event should now be acknowledged by the operator.

|     |                      |  |   |   |
|-----|----------------------|--|---|---|
| 811 | Prealarm & Fault Ack |  | ✓ | ✓ |
|-----|----------------------|--|---|---|

This event is the combination of the Prealarm and Fault state. The event has been acknowledged.

|     |                          |   |  |   |
|-----|--------------------------|---|--|---|
| 812 | Prealarm & Fault Unreset | ✓ |  | ✓ |
|-----|--------------------------|---|--|---|

This event is the combination of the Prealarm and Fault state. The event should now be reset by the operator.

|     |              |   |   |   |
|-----|--------------|---|---|---|
| 900 | Tamper Unack | ✓ | ✓ | ✓ |
|-----|--------------|---|---|---|

A tamper occurred.  
The event should now be acknowledged by the operator.

|     |                |   |   |   |
|-----|----------------|---|---|---|
| 902 | Tamper Unreset | ✓ | ✓ | ✓ |
|-----|----------------|---|---|---|

A tamper occurred.  
The event should now be reset by the operator.

|     |                      |   |   |   |
|-----|----------------------|---|---|---|
| 910 | Tamper & Fault Unack | ✓ | ✓ | ✓ |
|-----|----------------------|---|---|---|

This event is the combination of the Tamper and Fault state. The event should now be acknowledged by the operator.

|     |                    |  |  |   |
|-----|--------------------|--|--|---|
| 911 | Tamper & Fault Ack |  |  | ✓ |
|-----|--------------------|--|--|---|

This event is the combination of the Tamper and Fault state. The event has been acknowledged.

|     |                        |   |   |   |
|-----|------------------------|---|---|---|
| 912 | Tamper & Fault Unreset | ✓ | ✓ | ✓ |
|-----|------------------------|---|---|---|

This event is the combination of the Tamper and Fault state. The event should now be reset by the operator.

|      |       |  |   |   |
|------|-------|--|---|---|
| 1000 | Quiet |  | ✓ | ✓ |
|------|-------|--|---|---|

No abnormal conditions present.

|      |       |  |   |   |
|------|-------|--|---|---|
| 1200 | Armed |  | ✓ | ✓ |
|------|-------|--|---|---|

A user is logged in

|      |          |   |  |   |
|------|----------|---|--|---|
| 1300 | Disarmed | ✓ |  | ✓ |
|------|----------|---|--|---|

This state is available only when the control unit is linked via FlexC and means that some kind of events are inhibited.  
In the same way Disconnect command is available only if the FlexC protocol is used.

1400 Disconnected

✓

This state is available only if the SPC is connected via FlexC protocol and means that some kinds of events are isolated.  
Also the command Disconnect in other states is available only if the FlexC protocol is used.

---

1998 Fault Unreset

✓

✓

✓

A fault occurred.  
The event should now be reset by the operator.

---

1999 Fault Ack

✓

✓

A fault occurred.  
The event has been acknowledged.

---

2000 Fault Unack

✓

✓

A fault occurred.  
The event should now be acknowledged by the operator.

---

## I/O Expander - ( INNOIBET )

The I/O Expander is an expansion module, this can be wired or wireless and of the following types:

- 8 Input / 2 Output
- 8 Output

|  | Multistate             | Commands |         |       |          |         |           |          |          |          |           |          |             |
|--|------------------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|  |                        | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 900  | Tamper Unack           | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper occurred.<br>The event should now be acknowledged by the operator.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 902  | Tamper Unreset         |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper occurred.<br>The event should now be reset by the operator.   |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 910  | Tamper & Fault Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Tamper and Fault state. The event should now be acknowledged by the operator.   |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 911  | Tamper & Fault Ack     |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Tamper and Fault state. The event has been acknowledged.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 912  | Tamper & Fault Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Tamper and Fault state. The event should now be reset by the operator.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000   | Quiet                  |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 1300   | Disarmed               |          |         | ✓     |          |         |           |          | ✓        |          |           |          |             |
| Some kinds of faults and/or tamper are inhibited. This value is possible only if the FlexC protocol is used.<br>In the same way the Disarm command in the other states is available only if the FlexC protocol is used.                  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 1400   | Disconnected           |          |         |       |          |         |           |          |          |          |           | ✓        |             |
| This state is available only if the SPC is connected via FlexC protocol and means that some kinds of events are isolated.<br>In the same way the Disconnect command in the other states is available only if the FlexC protocol is used. |                        |          |         |       |          |         |           |          |          |          |           |          |             |

1998 Fault Unreset ✓ ✓ ✓

A fault occurred.  
The event should now be reset by the operator.

---

1999 Fault Ack ✓ ✓

A fault occurred.  
The event has been acknowledged.

---

2000 Fault Unack ✓ ✓ ✓

A fault occurred.  
The event should now be acknowledged by the operator.

---

## Analyzed I/O Expander - ( INNOIBSV )

The I/O Expander is an expansion module, this can be wired or wireless and of the following types:

- 8 Input / 2 Output
- 8 Output

|  | Multistate             | Commands |         |       |          |         |           |          |          |          |           |          |             |
|--|------------------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|  |                        | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 900  | Tamper Unack           | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper occurred.<br>The event should now be acknowledged by the operator.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 902  | Tamper Unreset         |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper occurred.<br>The event should now be reset by the operator.   |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 910  | Tamper & Fault Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Tamper and Fault state. The event should now be acknowledged by the operator.   |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 911  | Tamper & Fault Ack     |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Tamper and Fault state. The event has been acknowledged.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 912  | Tamper & Fault Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Tamper and Fault state. The event should now be reset by the operator.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000   | Quiet                  |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 1300   | Disarmed               |          |         | ✓     |          |         |           |          | ✓        |          |           |          |             |
| This state is available only if the SPC is linked via FlexC protocol. Some kind of faults and/or tamper are inhibited  |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 1400   | Disconnected           |          |         |       |          |         |           |          |          | ✓        |           |          |             |
| This state is available only if the SPC is connected via FlexC protocol and means that some kinds of events are isolated.<br>In the same way the Disconnect command in the other states is available only if the FlexC protocol is used. |                        |          |         |       |          |         |           |          |          |          |           |          |             |



1998 Fault Unreset ✓ ✓ ✓

A fault occurred.  
The event should now be reset by the operator.

---

1999 Fault Ack ✓ ✓

A fault occurred.  
The event has been acknowledged.

---

2000 Fault Unack ✓ ✓ ✓

A fault occurred.  
The event should now be acknowledged by the operator.

---

Mapping gates - ( UDUDOLMN )

---

| Multistate | Commands |         |       |          |         |           |          |          |          |           |          |             |
|------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|            | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |

1000 Quiet

No abnormal conditions present.

---

### Mapping gate - ( INNOUULO )

---

User commandable outputs. They can be mapped on the unit physical outputs.

| Multistate | Commands |         |       |          |         |           |          |          |          |           |          |             |
|------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|            | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |

950 Active



The Mapping Gate has been activated.

---

1000 Quiet



No abnormal conditions present.

---

**Modem - ( HWCMRUGE )**

The modem object is monitored only if SPC is connected with the FlexC protocol.

| Multistate  | Commands |         |       |          |         |           |          |          |          |           |          |             |
|---|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|   | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 1000 Quiet  |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.   |          |         |       |          |         |           |          |          |          |           |          |             |
| 1300 Disarmed   |          |         | ✓     |          |         |           |          | ✓        |          |           |          |             |
| Fault or line fault is inhibited.   |          |         |       |          |         |           |          |          |          |           |          |             |
| 1400 Disconnected   |          |         |       |          |         |           |          |          | ✓        |           |          |             |
| Fault or line fault is isolated.  |          |         |       |          |         |           |          |          |          |           |          |             |
| 1998 Fault Unreset  |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A fault is present. The event should now be reset by the operator.        |          |         |       |          |         |           |          |          |          |           |          |             |
| 2000 Fault Unack  | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A fault is present. The event should now be acknowledged by the operator. |          |         |       |          |         |           |          |          |          |           |          |             |

## Exit Term Zone - ( INBUZOOT )

This object represent the following SPC object: EXIT TERMINATOR: An Exit Terminator zone type is used in conjunction with a push button on an exit route and acts as an exit terminator – that is, it provides an infinite exit delay period and will not allow the system to set until the button is pressed.

|  | Multistate            | Commands |         |       |          |         |           |          |          |          |           |          |             |
|--|-----------------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|  |                       | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 500  | Alarm Unack           | ✓        |         |       |          |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be acknowledged by the operator.                                      |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 502  | Alarm Unreset         |          | ✓       |       |          |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be reset by the operator.   |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 510  | Alarm & Fault Unack   | ✓        |         |       |          |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event should now be acknowledged by the operator |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 512  | Alarm & Fault Unreset |          | ✓       |       |          |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state.The event should now be reset by the operator.        |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 900  | Tamper Unack          | ✓        |         |       |          |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a masked or a tamper event.<br>The event should now be acknowledged by the operator.          |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 902  | Tamper Unreset        |          | ✓       |       |          |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a tamper or a masked event.<br>The event should now be reset by the operator.                 |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 950  | Active                |          |         |       |          |         |           |          | ✓        |          |           |          |             |
| The zone is active   |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000   | Quiet                 |          |         |       |          |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.  |                       |          |         |       |          |         |           |          |          |          |           |          |             |

1351 Anomaly Ack ✓

The zone is not ready to be set.

---

1400 Disconnected ✓

The zone has been isolated.

---

1998 Fault Unreset ✓ ✓

The zone is in fault. The event should now be reset by the operator.

---

2000 Fault Unack ✓ ✓

The zone is in fault. The event should now be acknowledged by the operator.

---

**Doors - ( UDUDOLMN )**

---

This object represent the following SPC objects:

ENTRY/EXIT: The entry/exit zone type should be assigned to all zones on an entry/exit route (i.e. a front door or other access area to the building or premises). This zone type provides an entry and exit time delay

| Multistate | Commands                    |         |       |          |         |           |          |          |          |           |          |             |
|------------|-----------------------------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|            | 1-Arm<br>Button is pressed. | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |

1000 Quiet

No abnormal conditions present.

---

**Door - ( ACCODRDM )**

SPC door object. This kind of object is used for access control system.

| Multistate  | Commands |         |       |          |         |           |          |          |          |           |          |             |
|---|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|   | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 401 Alarm & Tamper Ack  |          |         |       |          |         | ✓         |          |          |          | ✓         | ✓        |             |
| This event is the combination of the Alarm and Tamper state. The event has been acknowledged.               |          |         |       |          |         |           |          |          |          |           |          |             |
| 402 Alarm & Tamper Unreset  |          | ✓       |       |          |         | ✓         |          |          |          | ✓         | ✓        |             |
| This event is the combination of the Alarm and Tamper state. The event should now be reset by the operator. |          |         |       |          |         |           |          |          |          |           |          |             |
| 501 Alarm Ack   |          |         |       |          |         | ✓         |          |          |          | ✓         | ✓        |             |
| The door has been forced. The event has been acknowledged.  |          |         |       |          |         |           |          |          |          |           |          |             |
| 502 Alarm Unreset   |          | ✓       |       |          |         | ✓         |          |          |          | ✓         | ✓        |             |
| The door has been forced. The event should now be reset by the operator.                                    |          |         |       |          |         |           |          |          |          |           |          |             |
| 901 Tamper Ack  |          |         |       |          |         | ✓         |          |          |          | ✓         | ✓        |             |
| The door has been left open. The event has been acknowledged.   |          |         |       |          |         |           |          |          |          |           |          |             |
| 902 Tamper Unreset  |          | ✓       |       |          |         | ✓         |          |          |          | ✓         | ✓        |             |
| The door has been left open. The event should now be reset by the operator.                                 |          |         |       |          |         |           |          |          |          |           |          |             |
| 950 Active  |          |         |       |          |         |           |          |          |          | ✓         | ✓        |             |
| The Open Temporary command has been issued.   |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000 Quiet  |          |         |       |          |         | ✓         |          |          |          | ✓         | ✓        |             |
| No abnormal conditions present.<br>The command `Active` open the door momentarily.                          |          |         |       |          |         |           |          |          |          |           |          |             |
| 1316 Manual   |          |         |       |          |         | ✓         | ✓        |          |          | ✓         |          |             |
| The door is permanent unlocked.   |          |         |       |          |         |           |          |          |          |           |          |             |



1326 Blocked



The door is permanet locked.

---

**Fault zone - ( INNOZOFL )**

| Multistate  |                | Commands |         |       |          |         |           |          |          |          |           |          |             |
|---|----------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|   |                | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 500   | Alarm Unack    | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| An alarm occurred.<br>The event should now be acknowledged by the operator.                   |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 502   | Alarm Unreset  |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| An alarm occurred.<br>The event should now be reset by the operator.                          |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 900   | Tamper Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper or a masked event occurred.<br>The event should now be acknowledged by the operator. |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 902   | Tamper Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper or a masked event occurred.<br>The event should now be reset by the operator.        |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000  | Quiet          |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.   |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1300  | Disarmed       |          |         | ✓     |          |         |           |          | ✓        |          |           |          |             |
| The zone is inhibited.  |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1351  | Anomaly Ack    |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is not ready to set the area. The event has be acknowledged by the operator.         |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1352  | Anomaly Unack  | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is not ready to set the area.The event should now be acknowledged by the operator.   |                |          |         |       |          |         |           |          |          |          |           |          |             |

1400 Disconnected

✓

✓

The zone is isolated.

---

1998 Fault Unreset

✓

✓

✓

The zone evaluated a fault.

The event should now be reset by the operator.

---

2000 Fault Unack

✓

✓

✓

The zone evaluated a fault.

The event should now be acknowledged by the operator.

---

Seismic zone - ( INBUZOKC )

| Multistate  |                | Commands |         |       |          |         |           |          |          |          |           |          |             |
|---|----------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|   |                | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 500   | Alarm Unack    | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| An alarm occurred.<br>The event should now be acknowledged by the operator. |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 502   | Alarm Unreset  |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| An alarm occurred.<br>The event should now be reset by the operator.        |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 900   | Tamper Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper occurred.<br>The event should now be acknowledged by the operator. |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 902   | Tamper Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper occurred.<br>The event should now be reset by the operator.        |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 950   | Active         |          |         |       | ✓        |         |           | ✓        | ✓        |          |           |          |             |
| The zone is active  |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000  | Quiet          |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.   |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1300  | Disarmed       |          |         | ✓     |          |         |           |          | ✓        |          |           |          |             |
| The zone is inhibited   |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1351  | Anomaly Ack    |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is not ready to be set.  |                |          |         |       |          |         |           |          |          |          |           |          |             |

1400 Disconnected

✓

✓

The zone has been isolated

---

1998 Fault Unreset

✓

✓

✓

The zone evaluated a fault.

The event should now be reset by the operator.

---

2000 Fault Unack

✓

✓

✓

The zone evaluated a fault.

The event should now be acknowledged by the operator.

---

AIIOkZone - ( INNOZOOK )

| Multistate   |                | Commands |         |       |          |         |           |          |          |          |           |          |             |
|--|----------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|  |                | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 500  | Alarm Unack    | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone evaluated an alarm.<br>The event should now be acknowledged by the operator.                |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 502  | Alarm Unreset  |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone evaluated an alarm.<br>The event should now be reset by the operator.                       |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 900  | Tamper Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a tamper or a mask attempt. The event should now be acknowledged by the operator. |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 902  | Tamper Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a tamper or a mask attempt.<br>The event should now be reset by the operator.     |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 950  | Active         |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone has been activated.   |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000   | Quiet          |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.  |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1300   | Disarmed       |          |         | ✓     |          |         |           |          | ✓        |          |           |          |             |
| The zone is inhibited.   |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1351   | Anomaly Ack    |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is not ready. The event has been acknowledged.  |                |          |         |       |          |         |           |          |          |          |           |          |             |

1400 Disconnected

✓

✓

The zone has been isolated.

---

1998 Fault Unreset

✓

✓

✓

The zone is in fault. The event should now be reset by the operator.

---

2000 Fault Unack

✓

✓

✓

The zone is in fault. The event should now be acknowledged by the operator.

---

Shunt Zone - ( INCOZOSH )

| Multistate   |                | Commands |         |       |          |         |           |          |          |          |           |          |             |
|--|----------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|  |                | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 500  | Alarm Unack    | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone evaluated an alarm.<br>The event should now be acknowledged by the operator.                |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 502  | Alarm Unreset  |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone evaluated an alarm.<br>The event should now be reset by the operator.                       |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 900  | Tamper Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a tamper or a mask attempt. The event should now be acknowledged by the operator. |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 902  | Tamper Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a tamper or a mask attempt.<br>The event should now be reset by the operator.     |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 950  | Active         |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone has been activated.   |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000   | Quiet          |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.  |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1300   | Disarmed       |          |         | ✓     |          |         |           |          | ✓        |          |           |          |             |
| The zone is inhibited.   |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1351   | Anomaly Ack    |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is not ready. The event has been acknowledged.  |                |          |         |       |          |         |           |          |          |          |           |          |             |



1400 Disconnected

✓

✓

The zone has been isolated.

---

1998 Fault Unreset

✓

✓

✓

The zone is in fault. The event should now be reset by the operator.

---

2000 Fault Unack

✓

✓

✓

The zone is in fault. The event should now be acknowledged by the operator.

---

HoldUp-Fault Zone - ( INDEZOFL )

| Multistate  |                | Commands |         |       |          |         |           |          |          |          |           |          |             |
|---|----------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|   |                | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 500   | Alarm Unack    | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| An alarm occurred.<br>The event should now be acknowledged by the operator.                   |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 502   | Alarm Unreset  |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| An alarm occurred.<br>The event should now be reset by the operator.                          |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 900   | Tamper Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper or a masked event occurred.<br>The event should now be acknowledged by the operator. |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 902   | Tamper Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper or a masked event occurred.<br>The event should now be reset by the operator.        |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000  | Quiet          |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.   |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1300  | Disarmed       |          |         | ✓     |          |         |           |          | ✓        |          |           |          |             |
| The zone is inhibited.  |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1351  | Anomaly Ack    |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is not ready to set the area. The event has be acknowledged by the operator.         |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1352  | Anomaly Unack  | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is not ready to set the area. .The event should now be acknowledged by the operator. |                |          |         |       |          |         |           |          |          |          |           |          |             |

1400 Disconnected

✓

✓

The zone is isolated.

---

1998 Fault Unreset

✓

✓

✓

The zone evaluated a fault.

The event should now be reset by the operator.

---

2000 Fault Unack

✓

✓

✓

The zone evaluated a fault.

The event should now be acknowledged by the operator.

---

Warning-Fault Zone - ( INDEZOFL )

| Multistate  |                | Commands |         |       |          |         |           |          |          |          |           |          |             |
|---|----------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|   |                | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 500   | Alarm Unack    | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| An alarm occurred.<br>The event should now be acknowledged by the operator.                   |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 502   | Alarm Unreset  |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| An alarm occurred.<br>The event should now be reset by the operator.                          |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 900   | Tamper Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper or a masked event occurred.<br>The event should now be acknowledged by the operator. |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 902   | Tamper Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A tamper or a masked event occurred.<br>The event should now be reset by the operator.        |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000  | Quiet          |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.   |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1300  | Disarmed       |          |         | ✓     |          |         |           |          | ✓        |          |           |          |             |
| The zone is inhibited.  |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1351  | Anomaly Ack    |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is not ready to set the area. The event has be acknowledged by the operator.         |                |          |         |       |          |         |           |          |          |          |           |          |             |
| 1352  | Anomaly Unack  | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is not ready to set the area.The event should now be acknowledged by the operator.   |                |          |         |       |          |         |           |          |          |          |           |          |             |

1400 Disconnected

✓

✓

The zone is isolated.

---

1998 Fault Unreset

✓

✓

✓

The zone evaluated a fault.

The event should now be reset by the operator.

---

2000 Fault Unack

✓

✓

✓

The zone evaluated a fault.

The event should now be acknowledged by the operator.

---

**Glass Break Zone - ( INDEZOGL )**

---

| Multistate | Commands |         |       |          |         |           |          |          |          |           |          |             |
|------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|            | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |

1000 Quiet

No abnormal conditions present.

---

## Alerts - ( INDECCAL )

This node groups many alerts present on the SPC. It is monitored only when the SPC is linked using FlexC protocol.

| Multistate   |                        | Commands |         |       |          |         |           |          |          |          |           |          |             |
|--|------------------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|  |                        | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 400  | Alarm & Tamper Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Tamper state. The event should now be acknowledged by the operator.   |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 402  | Alarm & Tamper Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Tamper state. The event should now be reset by the operator.          |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 500  | Alarm Unack            | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A man down alarm is present. The event should now be acknowledged by the operator.                                   |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 502  | Alarm Unreset          |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The event should now be reset by the operator.   |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 510  | Alarm & Fault Unack    | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event should now be acknowledged by the operator     |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 512  | Alarm & Fault Unreset  |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event should now be reset by the operator.           |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 800  | Prealarm Unack         | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A code tamper event is present. The event should now be acknowledged by the operator.                                |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 802  | Prealarm Unreset       |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| A code tamper event is present. The event should now be reset by the operator.                                       |                        |          |         |       |          |         |           |          |          |          |           |          |             |
| 810  | Prealarm & Fault Unack | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Prealarm and Fault state. The event should now be acknowledged by the operator. |                        |          |         |       |          |         |           |          |          |          |           |          |             |

812 Prealarm & Fault Unreset ✓ ✓ ✓

This event is the combination of the Prealarm and Fault state. The event should now be reset by the operator.

900 Tamper Unack ✓ ✓ ✓

An antenna tamper event is present. The event should now be acknowledged by the operator.

902 Tamper Unreset ✓ ✓ ✓

An antenna tamper event is present. The event should now be reset by the operator.

910 Tamper & Fault Unack ✓ ✓ ✓

This event is the combination of the Tamper and Fault state. The event should now be acknowledged by the operator.

912 Tamper & Fault Unreset ✓ ✓ ✓

This event is the combination of the Tamper and Fault state. The event should now be reset by the operator.

1000 Quiet ✓ ✓

No abnormal conditions present.

1300 Disarmed ✓ ✓

A fault or alarm situation is inhibited.

1400 Disconnected ✓

A fault or alarm situation is isolated.

1998 Fault Unreset ✓ ✓ ✓

The event should now be reset by the operator.

2000 Fault Unack ✓ ✓ ✓

A fault is present. The event should now be acknowledged by the operator.



## Lock Element Zone - ( INDEZOLM )

This object represent the following SPC object: ENTRY/EXIT: The entry/exit zone type should be assigned to all zones on an entry/exit route (i.e. a front door or other access area to the building or premises). This zone type provides an entry and exit time delay.

| Multistate   |                       | Commands |         |       |          |         |           |          |          |          |           |          |             |
|--|-----------------------|----------|---------|-------|----------|---------|-----------|----------|----------|----------|-----------|----------|-------------|
|  |                       | 1-Ack    | 2-Reset | 4-Arm | 8-Disarm | 16-Test | 32-Active | 64-Quiet | 128-Disc | 256-Conn | 512-Block | 1024-Man | 2048-Status |
| 500  | Alarm Unack           | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be acknowledged by the operator.                                      |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 502  | Alarm Unreset         |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is in alarm. The event should now be reset by the operator.   |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 510  | Alarm & Fault Unack   | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event should now be acknowledged by the operator |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 512  | Alarm & Fault Unreset |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| This event is the combination of the Alarm and Fault state. The event should now be reset by the operator.       |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 900  | Tamper Unack          | ✓        |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a tamper or a masked event.<br>The event should now be acknowledged by the operator.          |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 902  | Tamper Unreset        |          | ✓       |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone evaluated a tamper or a masked event.<br>The event should now be reset by the operator.                 |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 950  | Active                |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| The zone is active   |                       |          |         |       |          |         |           |          |          |          |           |          |             |
| 1000   | Quiet                 |          |         |       | ✓        |         |           |          | ✓        |          |           |          |             |
| No abnormal conditions present.  |                       |          |         |       |          |         |           |          |          |          |           |          |             |

1300 Disarmed ✓ ✓

The zone has been inhibited.

---

1351 Anomaly Ack ✓ ✓

The zone is not ready. The event has been acknowledged.

---

1400 Disconnected ✓ ✓

The zone has been isolated.

---

1998 Fault Unreset ✓ ✓ ✓

The zone is in fault. The event should now be reset by the operator.

---

2000 Fault Unack ✓ ✓ ✓

The zone is in fault. The event should now be acknowledged by the operator.

---

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