

**SIEMENS**

***MK8000 OPC Server Interface  
Specification for X-NET***

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## X-NET

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X-NET represents the two firesystems MXL and XLS. They are developed by Siemens SBT in the US.

MXL is the older generation, XLS (called Firefinder) is the newer one. Both use the same management station called NCC and a Global PMI (which is a userinterface to operate and monitor the firesystems).

Both systems use the X-NET as the main bus between the Panels and between the panels and the NCC as well as the GPMI. But MXL and XLS panels cannot communicate with each other.

MXL and XLS are integrated into the DMS through its FSI (Foreign System Interface) which is connected to a NK8225/NK8223. This is done over RS232 or RS 485.

The event handling as well as the event treatment differ in many points to the logic used in the European firesystems.

MXL has only a physical tree which contains all the panels, modules and devices of the firesystem.

XLS offers additionally to the physical tree a Geographic view which is mapped to the logical tree in the DMS. The physical tree of XLS consists of panels, modules, submodules, devices and components.

### Comment:

Some states of the metamodel and local properties are "misused" to ensure the correct translation of the behaviour of MXL and XLS into MM8000.

### Note:

Decision 7.9.07:

Only XLS is implemented in the final version. All objects which are only used for MXL are not inserted in the model V01.02.

### Model:

In the past, it was found out that some nodes of the system produced unexpected events. The developers of the fire system are not able to support a list with all available nodes of the systems and the events they can produce. To be sure that also unexpected events can be shown on the nodes, the model is more generalized: Most of the nodes have all kind of properties even if they won't show up in reality.

There are the following main types of nodes (to get detail information about the different nodes and the mapping to physical devices check the documentation of the project):

A, B, C, D, E, F, G, H, J

Points of the same type may differ in the availability of the arm/disarm functionality or the propagation of commands.

A: Lifesafety Zone, Panel node

(special panel functionality)

B: Lifesafety Zone, Modules and Submodules

(all properties except special panel properties available)

- C: Lifesafety Point, Special logical nodes  
(only used to activate/deactivate)
- D: Lifesafety Point, Devices and Components  
(all properties except special panel properties available)
- E: Lifesafety Zone, Devices with Components as children  
(all properties except special panel properties available)
- F: Lifesafety Zone, Output Devices and Output Components  
which have only a activate/deactivate node as child  
(all properties except special panel properties available)
- G: Lifesafety Zone, Main X-Net point and the folder nodes of the system
- H: Lifesafety Point, They have no functionality in the DMS - just for information
- J: Lifesafety Point, Unidentified event  
(all properties available, no commands)

Summary view

X-NET Model

X-NET	Obj. Name: FINOAPMN	NT ID: 111
Program	Obj. Name: UDUDUDUD	NT ID: 3
Not. Class	Obj. Name: UDUDUDUD	NT ID: 4
XLS panel(s)	Obj. Name: UDUDOLMN	NT ID: 5
Unidentified event	Obj. Name: SYDEDEEL	NT ID: 9
XNet Panel	Obj. Name: FINOAPMN	NT ID: 1
ALD / DLC Module	Obj. Name: HWNOIBPH	NT ID: 30
Default Device	Obj. Name: HWCONOEL	NT ID: 31
LED Device	Obj. Name: IOCOOUEL	NT ID: 34
Switch Device	Obj. Name: IOCOINEL	NT ID: 46
Zone Device	Obj. Name: FIDEZOEL	NT ID: 47
Ckt Device	Obj. Name: IOCOOUEL	NT ID: 48
Relay / Output Device (with Component)	Obj. Name: IOCOOUEL	NT ID: 49
Relay Component	Obj. Name: IOCOOUIT	NT ID: 59
HCP Relay Component	Obj. Name: IOCOOUAX	NT ID: 67
Zone Device (with Component)	Obj. Name: FIDEZOEL	NT ID: 50
HTRI / TRI Device	Obj. Name: IOCOIOEL	NT ID: 51
Relay / Output Device	Obj. Name: IOCOOUEL	NT ID: 52
Pseudo Device	Obj. Name: FICONOEL	NT ID: 53
Detector Device	Obj. Name: FIDEDEAU	NT ID: 54
1St. Manual Station Device	Obj. Name: FIDECMA	NT ID: 55
2St. Manual Station Device	Obj. Name: FIDECPEL	NT ID: 56
Switch Device (with Component)	Obj. Name: IOCOINEL	NT ID: 64
SilenceUnsilence	Obj. Name: FIDEDEEL	NT ID: 21

Default Module	Obj. Name: HWNOIBPH	NT ID: 38
Pseudo Module	Obj. Name: HWNOIBLO	NT ID: 39
Printer Module	Obj. Name: HWNOPRPH	NT ID: 40
Power Module	Obj. Name: HWNOPSPH	NT ID: 41
UI Module	Obj. Name: HWNODSPH	NT ID: 42
Default Submodule	Obj. Name: HWNOIBPH	NT ID: 43
Control Submodule	Obj. Name: HWNOICPH	NT ID: 44
Power Submodule	Obj. Name: HWNOPSPH	NT ID: 45

NCC	Obj. Name: UDUDUDUD	NT ID: 10
GPMI	Obj. Name: UDUDUDUD	NT ID: 11
Physical Tree	Obj. Name: UDUDOLMN	NT ID: 35
Logical Tree	Obj. Name: UDUDOLMN	NT ID: 36

Logical Level	Obj. Name: FINOARLO	NT ID: 37
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Link Node	Obj. Name: UDUDUDUD	NT ID: 65
Lower Logical Level	Obj. Name: FINOARLO	NT ID: 66

Switch Component (generic)	Obj. Name: IOCOINIT	NT ID: 57
Zone Component	Obj. Name: FIDEZOIT	NT ID: 58
Relay Component	Obj. Name: IOCOOUIT	NT ID: 59
ActivateDeactivate	Obj. Name: IOCOALLO	NT ID: 63
LED Component	Obj. Name: IOCOOUIT	NT ID: 60
Switch Component (manual)	Obj. Name: IOCOINIT	NT ID: 61
Detector Component	Obj. Name: FIDEDEIT	NT ID: 62

## XNet Panel - ( FINOAPMN )

The panel node represents a fire panel of the system. It used for both systems MXL and XLS.

Model Type A

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 panel reset command is available

1000 Quiet ✓

No abnormal conditions present.

1110 Test-Alarm Unreset ✓ ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack ✓

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓ ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

1350 Anomaly Unreset ✓ ✓

The panel is partly disconnected.The event should now be reset by the operator.

1351 Anomaly Ack ✓

The panel is partly disconnected.The event should now be reset by the operator.The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

The panel is partly disconnected.The event should now be reset by the operator.The event should now be acknowledged by the operator.

1369 Not Aligned

The control unit is not aligned to the field.

1370	Alignment In Progress		✓	✓
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The alignment fase is in progress.

---

1500	Disconnected Unreset	✓	✓	✓
------	----------------------	---	---	---

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

---

1501	Disconnected Ack			✓
------	------------------	--	--	---

A fault out event occurred. The event has been acknowledged.

---

1502	Disconnected Unack	✓		✓
------	--------------------	---	--	---

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

---

1998	Fault Unreset	✓		✓
------	---------------	---	--	---

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

---

1999	Fault Ack			✓
------	-----------	--	--	---

A fault event occurred. The event has been acknowledged.

---

2000	Fault Unack	✓		✓
------	-------------	---	--	---

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

---

2051	Vitality Fault			✓
------	----------------	--	--	---

Missing vitality message (heartbeat): trouble in the communication link.

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## XLS panel(s) - ( UDUDOLMN )

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The XLS panel(s) node contains the physical and logical tree of the Zeus project: All XLS panels and XLS nodes are located below this folder node.

(Zeus: Configuration Tool of the XLS Firesystem Firefinder)

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.

---

## Unidentified event - ( SYDEDEEL )

This node has all possible metamodel states and modes of the system. Events with an unknown address will be displayed on this node. This node has no commands. Model type J.

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

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

501 Alarm Ack

A fire alarm occurred. The event has been acknowledged.

502 Alarm Unreset

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

900 Tamper Unack

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

901 Tamper Ack

A security alarm occurred. The event has been acknowledged.

902 Tamper Unreset

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

950 Active

1000 Quiet

No abnormal conditions present.

1110 Test-Alarm Unreset

An exclusion out event occurred. The event should now be reset by the operator.

1111 Test-Alarm Ack

An exclusion out event occurred.The event has been acknowledged.

---

1112 Test-Alarm Unack

An exclusion out event occurred.The event should now be acknowledged by the operator.

---

1304 Disarmed Unreset

An exclusion event occurred.The event should now be reset by the operator.

---

1305 Disarmed Ack

An exclusion event occurred.The event has been acknowledged.

---

1306 Disarmed Unack

An exclusion event occurred.The event should now be acknowledged by the operator.

---

1328 Blocked Unreset

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

---

1329 Blocked Ack

A supervision out event occurred.The event has been acknowledged.

---

1330 Blocked Unack

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

---

1350 Anomaly Unreset

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

---

1351 Anomaly Ack

A supervisory event occurred.The event has been acknowledged.

---

1352 Anomaly Unack

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

---

1500 Disconnected Unreset

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

---

1501 Disconnected Ack

A fault out event occurred. The event has been acknowledged.

---

1502 Disconnected Unack

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

---

1998 Fault Unreset

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

---

1999 Fault Ack

A fault event occurred. The event has been acknowledged.

---

2000 Fault Unack

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

---

## NCC - ( UDUDUDUD )

---

The NCC is the management station of the two firesystems MXL and XLS. This node has no functionality in the DMS. It just shows the user that it is located in the network.

Model Type H

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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## GPMI - ( UDUDUDUD )

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The GPMI is the global user interface of the two firesystems MXL and XLS. This node has no functionality in the DMS. It just shows the user that it is located in the network.

The GPMI is in development at the moment.

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.

---

**SilenceUnsilence - ( FIDEDEEL )**

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The silence / unsilence node does not exist in reality and is used for the silence functionality of a panel.

Model Type C

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




---

1000 Quiet



No abnormal conditions present.

---

## ALD / DLC Module - ( HWNOIBPH )

The ALD / DLC Module node is a loop module.

It is the only module which has a separate disarm/arm functionality. This commands arm and disarm the devices/components connected to the module and not the module itself.

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.

1110 Test-Alarm Unreset ✓ ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack ✓

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓ ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

1304 Disarmed Unreset ✓ ✓

An exclusion event occurred.The event should now be reset by the operator.

1305 Disarmed Ack ✓

An exclusion event occurred.The event has been acknowledged.

1306 Disarmed Unack ✓ ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

1328 Blocked Unreset ✓ ✓

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

1329 Blocked Ack ✓

A supervisory out event occurred.The event has been acknowledged.



1330 Blocked Unack ✓ ✓

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

---

1500 Disconnected Unreset ✓ ✓

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

---

1501 Disconnected Ack ✓

A fault out event occurred. The event has been acknowledged.

---

1502 Disconnected Unack ✓ ✓

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

---

1998 Fault Unreset ✓ ✓

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

---

1999 Fault Ack ✓

A fault event occurred. The event has been acknowledged.

---

2000 Fault Unack ✓ ✓

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

---

## Default Device - ( HWCONOEL )

Model Type D

-> no arm/disarm functionality is available for this node (defined in specification of the project).

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 ✓

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

501 Alarm Ack

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓

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

900 Tamper Unack ✓

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

901 Tamper Ack

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓

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

1000 Quiet

No abnormal conditions present.

1110 Test-Alarm Unreset ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓ ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

---

1316 Manual

An informative event occurred.No operations are needed by the user.

---

1328 Blocked Unreset ✓

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

---

1329 Blocked Ack

A supervisory out event occurred.The event has been acknowledged.

---

1330 Blocked Unack ✓

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

---

1350 Anomaly Unreset ✓

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

---

1351 Anomaly Ack

A supervisory event occurred.The event has been acknowledged.

---

1352 Anomaly Unack ✓

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

---

1500 Disconnected Unreset ✓

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

---

1501 Disconnected Ack

A fault out event occurred.The event has been acknowledged.

---

1502 Disconnected Unack ✓

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

---

1998 Fault Unreset ✓

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

---

1999 Fault Ack

A fault event occurred. The event has been acknowledged.

---

2000 Fault Unack ✓

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

---

## LED Device - ( IOCOUUEL )

Model Type F

-> arm/disarm functionality is available for this node (defined in specification of the project).

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 ✓ ✓

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

501 Alarm Ack ✓

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓ ✓

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

900 Tamper Unack ✓ ✓

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

901 Tamper Ack ✓

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓ ✓

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

1000 Quiet ✓

No abnormal conditions present.

1110 Test-Alarm Unreset ✓ ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack ✓

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

1300 Disarmed ✓

An exclusion event occurred.No operations are needed by the operator.

1304 Disarmed Unreset ✓ ✓

An exclusion event occurred.The event should now be reset by the operator.

1305 Disarmed Ack ✓

An exclusion event occurred.The event has been acknowledged.

1306 Disarmed Unack ✓ ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

1316 Manual ✓

An informative event occurred.No operations are needed by the user.

1328 Blocked Unreset ✓ ✓

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

1329 Blocked Ack ✓

A supervisory out event occurred.The event has been acknowledged.

1330 Blocked Unack ✓ ✓

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

1350 Anomaly Unreset ✓ ✓

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

1351 Anomaly Ack ✓

A supervisory event occurred.The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

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

---

1501 Disconnected Ack ✓

A fault out event occurred.The event has been acknowledged.

---

1502 Disconnected Unack ✓ ✓

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

---

1998 Fault Unreset ✓ ✓

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

---

1999 Fault Ack ✓

A fault event occurred.The event has been acknowledged.

---

2000 Fault Unack ✓ ✓

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

---

**Default Module - ( HWNOIBPH )**

Model Type B

-> All modules except the ALD/DLC module have no arm/disarm functionality.

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.

1500 Disconnected Unreset ✓

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

1501 Disconnected Ack

A fault out event occurred.The event has been acknowledged.

1502 Disconnected Unack ✓

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

1998 Fault Unreset ✓

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

1999 Fault Ack

A fault event occurred.The event has been acknowledged.

2000 Fault Unack ✓

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



**Pseudo Module - ( HWNOIBLO )**

Model Type B

-> All modules except the ALD/DLC module have no arm/disarm functionality.

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.

1500 Disconnected Unreset ✓

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

1501 Disconnected Ack

A fault out event occurred.The event has been acknowledged.

1502 Disconnected Unack ✓

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

1998 Fault Unreset ✓

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

1999 Fault Ack

A fault event occurred.The event has been acknowledged.

2000 Fault Unack ✓

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

**Printer Module - ( HWNOPRPH )**

Model Type B

-> All modules except the ALD/DLC module have no arm/disarm functionality.

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.

1500 Disconnected Unreset ✓

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

1501 Disconnected Ack

A fault out event occurred.The event has been acknowledged.

1502 Disconnected Unack ✓

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

1998 Fault Unreset ✓

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

1999 Fault Ack

A fault event occurred.The event has been acknowledged.

2000 Fault Unack ✓

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

**Power Module - ( HWNOPSPH )**

Model Type B

-> All modules except the ALD/DLC module have no arm/disarm functionality.

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 security alarm occurred.The event should now be acknowledged by the operator.

901 Tamper Ack

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓

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

1000 Quiet

No abnormal conditions present.

1500 Disconnected Unreset ✓

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

1501 Disconnected Ack

A fault out event occurred.The event has been acknowledged.

1502 Disconnected Unack ✓

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

1998 Fault Unreset ✓

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

1999 Fault Ack

A fault event occurred.The event has been acknowledged.

2000 Fault Unack



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

---

## UI Module - ( HWNODSPH )

Model Type B

-> All modules except the ALD/DLC module have no arm/disarm functionality.

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.

1500 Disconnected Unreset ✓

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

1501 Disconnected Ack

A fault out event occurred.The event has been acknowledged.

1502 Disconnected Unack ✓

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

1998 Fault Unreset ✓

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

1999 Fault Ack

A fault event occurred.The event has been acknowledged.

2000 Fault Unack ✓

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

**Default Submodule - ( HWNOIBPH )**

Model Type B

-> All modules except the ALD/DLC module have no arm/disarm functionality.

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.

1110 Test-Alarm Unreset ✓ ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack ✓

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓ ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

1300 Disarmed ✓

An exclusion event occurred.No operations are needed by the operator.

1304 Disarmed Unreset ✓ ✓

An exclusion event occurred.The event should now be reset by the operator.

1305 Disarmed Ack ✓

An exclusion event occurred.The event has been acknowledged.

1306 Disarmed Unack ✓ ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

1500 Disconnected Unreset ✓ ✓

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

1501	Disconnected Ack		✓
------	------------------	--	---

A fault out event occurred. The event has been acknowledged.

---

1502	Disconnected Unack	✓	✓
------	--------------------	---	---

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

---

1998	Fault Unreset	✓	✓
------	---------------	---	---

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

---

1999	Fault Ack		✓
------	-----------	--	---

A fault event occurred. The event has been acknowledged.

---

2000	Fault Unack	✓	✓
------	-------------	---	---

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

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## Control Submodule - ( HWNOICPH )

Model Type B

-> All modules except the ALD/DLC module have no arm/disarm functionality.

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.

1500 Disconnected Unreset ✓

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

1501 Disconnected Ack

A fault out event occurred.The event has been acknowledged.

1502 Disconnected Unack ✓

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

1998 Fault Unreset ✓

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

1999 Fault Ack

A fault event occurred.The event has been acknowledged.

2000 Fault Unack ✓

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



## Power Submodule - ( HWNOPSPH )

Model Type B

-> All modules except the ALD/DLC module have no arm/disarm functionality.

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 security alarm occurred.The event should now be acknowledged by the operator.

901 Tamper Ack

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓

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

1000 Quiet

No abnormal conditions present.

1110 Test-Alarm Unreset ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

1304 Disarmed Unreset ✓

An exclusion event occurred.The event should now be reset by the operator.

1305 Disarmed Ack

An exclusion event occurred.The event has been acknowledged.

1306 Disarmed Unack ✓

An exclusion event occurred. The event should now be acknowledged by the operator.

---

1500 Disconnected Unreset ✓

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

---

1501 Disconnected Ack

A fault out event occurred. The event has been acknowledged.

---

1502 Disconnected Unack ✓

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

---

1998 Fault Unreset ✓

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

---

1999 Fault Ack

A fault event occurred. The event has been acknowledged.

---

2000 Fault Unack ✓

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

---

## Switch Device - ( IOCOINEL )

Model Type D

-> no arm/disarm functionality is available for this node (defined in specification of the project).

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 ✓

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

501 Alarm Ack

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓

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

900 Tamper Unack ✓

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

901 Tamper Ack

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓

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

1000 Quiet

No abnormal conditions present.

1110 Test-Alarm Unreset ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

---

1316 Manual

An informative event occurred.No operations are needed by the user.

---

1328 Blocked Unreset ✓

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

---

1329 Blocked Ack

A supervisory out event occurred.The event has been acknowledged.

---

1330 Blocked Unack ✓

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

---

1350 Anomaly Unreset ✓

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

---

1351 Anomaly Ack

A supervisory event occurred.The event has been acknowledged.

---

1352 Anomaly Unack ✓

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

---

1500 Disconnected Unreset ✓

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

---

1501 Disconnected Ack

A fault out event occurred.The event has been acknowledged.

---

1502 Disconnected Unack ✓

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

---

1998 Fault Unreset ✓

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

---

1999 Fault Ack

A fault event occurred. The event has been acknowledged.

---

2000 Fault Unack ✓

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

---

## Zone Device - ( FIDEZOEL )

Model Type D

-> arm/disarm functionality is available for this node (defined in specification of the project).

	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	✓			✓										
A fire alarm occurred.The event should now be acknowledged by the operator.															
501	Alarm Ack				✓										
A fire alarm occurred.The event has been acknowledged.															
502	Alarm Unreset		✓		✓										
A fire alarm occurred.The event should now be reset by the operator.															
900	Tamper Unack	✓			✓										
A security alarm occurred.The event should now be acknowledged by the operator.															
901	Tamper Ack				✓										
A security alarm occurred.The event has been acknowledged.															
902	Tamper Unreset		✓		✓										
A security alarm occurred.The event should now be reset by the operator.															
1000	Quiet				✓										
No abnormal conditions present.															
1110	Test-Alarm Unreset		✓		✓										
An exclusion out event occurred.The event should now be reset by the operator.															
1111	Test-Alarm Ack				✓										
An exclusion out event occurred.The event has been acknowledged.															

1112 Test-Alarm Unack ✓ ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

1300 Disarmed ✓

An exclusion event occurred.No operations are needed by the operator.

1304 Disarmed Unreset ✓ ✓

An exclusion event occurred.The event should now be reset by the operator.

1305 Disarmed Ack ✓

An exclusion event occurred.The event has been acknowledged.

1306 Disarmed Unack ✓ ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

1316 Manual ✓

An informative event occurred.No operations are needed by the user.

1328 Blocked Unreset ✓ ✓

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

1329 Blocked Ack ✓

A supervisory out event occurred.The event has been acknowledged.

1330 Blocked Unack ✓ ✓

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

1350 Anomaly Unreset ✓ ✓

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

1351 Anomaly Ack ✓

A supervisory event occurred.The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

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

---

1400 Disconnected ✓

1500 Disconnected Unreset ✓ ✓

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

---

1501 Disconnected Ack ✓

A fault out event occurred.The event has been acknowledged.

---

1502 Disconnected Unack ✓ ✓

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

---

1998 Fault Unreset ✓ ✓

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

---

1999 Fault Ack ✓

A fault event occurred.The event has been acknowledged.

---

2000 Fault Unack ✓ ✓

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

---



### Ckt Device - ( IOCOUUEL )

Model Type D

-> no arm/disarm functionality is available for this node (defined in specification of the project).

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 ✓

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

501 Alarm Ack

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓

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

900 Tamper Unack ✓

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

901 Tamper Ack

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓

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

1000 Quiet

No abnormal conditions present.

1316 Manual

An information event occurred. No actions are needed by the operator.

1328 Blocked Unreset ✓

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

1329 Blocked Ack

A supervisory out event occurred.The event has been acknowledged.

---

1330 Blocked Unack ✓

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

---

1350 Anomaly Unreset ✓

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

---

1351 Anomaly Ack

A supervisory event occurred.The event has been acknowledged.

---

1352 Anomaly Unack ✓

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

---

1500 Disconnected Unreset ✓

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

---

1501 Disconnected Ack

A fault out event occurred.The event has been acknowledged.

---

1502 Disconnected Unack ✓

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

---

1998 Fault Unreset ✓

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

---

1999 Fault Ack

A fault event occurred.The event has been acknowledged.

---

2000 Fault Unack ✓

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

---

## Relay / Output Device (with Component) - ( IOCOUUEL )

Model Type E

-> no arm/disarm functionality is available for this node. Node with components are not disarmable - only the components can be disarmed.

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 ✓

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

501 Alarm Ack

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓

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

900 Tamper Unack ✓

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

901 Tamper Ack

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓

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

1000 Quiet

No abnormal conditions present.

1316 Manual

An informative event occurred. No actions are needed by the operator.

1328 Blocked Unreset ✓

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

1329 Blocked Ack

A supervisory out event occurred.The event has been acknowledged.

---

1330 Blocked Unack ✓

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

---

1350 Anomaly Unreset ✓

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

---

1351 Anomaly Ack

A supervisory event occurred.The event has been acknowledged.

---

1352 Anomaly Unack ✓

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

---

1500 Disconnected Unreset ✓

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

---

1501 Disconnected Ack

A fault out event occurred.The event has been acknowledged.

---

1502 Disconnected Unack ✓

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

---

1998 Fault Unreset ✓

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

---

1999 Fault Ack

A fault event occurred.The event has been acknowledged.

---

2000 Fault Unack ✓

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

---

## Zone Device (with Component) - ( FIDEZOEL )

Model Type E

-> no arm/disarm functionality is available for this node. Node with components are not disarmable - only the components can be disarmed.

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 ✓

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

501 Alarm Ack

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓

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

900 Tamper Unack ✓

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

901 Tamper Ack

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓

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

1000 Quiet

No abnormal conditions present.

1316 Manual

An informative event occurred.No actions are needed by the operator.

1328 Blocked Unreset ✓

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

1329 Blocked Ack

A supervisory out event occurred.The event has been acknowledged.

---

1330 Blocked Unack ✓

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

---

1350 Anomaly Unreset ✓

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

---

1351 Anomaly Ack

A supervisory event occurred.The event has been acknowledged.

---

1352 Anomaly Unack ✓

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

---

1400 Disconnected ✓

1500 Disconnected Unreset ✓

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

---

1501 Disconnected Ack

A fault out event occurred.The event has been acknowledged.

---

1502 Disconnected Unack ✓

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

---

1998 Fault Unreset ✓

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

---

1999 Fault Ack

A fault event occurred.The event has been acknowledged.

---

2000 Fault Unack



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

---

## HTRI / TRI Device - ( IOCOIOEL )

Model Type E

-> no arm/disarm functionality is available for this node. Node with components are not disarmable - only the components can be disarmed.

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 ✓

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

501 Alarm Ack

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓

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

900 Tamper Unack ✓

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

901 Tamper Ack

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓

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

1000 Quiet

No abnormal conditions present.

1316 Manual

An informative event occurred.No actions are needed by the operator.

1328 Blocked Unreset ✓

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



1329 Blocked Ack

A supervisory out event occurred.The event has been acknowledged.

---

1330 Blocked Unack ✓

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

---

1350 Anomaly Unreset ✓

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

---

1351 Anomaly Ack

A supervisory event occurred.The event has been acknowledged.

---

1352 Anomaly Unack ✓

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

---

1500 Disconnected Unreset ✓

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

---

1501 Disconnected Ack

A fault out event occurred.The event has been acknowledged.

---

1502 Disconnected Unack ✓

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

---

1998 Fault Unreset ✓

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

---

1999 Fault Ack

A fault event occurred.The event has been acknowledged.

---

2000 Fault Unack ✓

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

---

## Relay / Output Device - ( IOCOOUEL )

Model Type F

-> arm/disarm functionality is available for this node (defined in specification of the project).

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 ✓ ✓

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

501 Alarm Ack ✓

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓ ✓

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

900 Tamper Unack ✓ ✓

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

901 Tamper Ack ✓

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓ ✓

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

1000 Quiet ✓

No abnormal conditions present.

1110 Test-Alarm Unreset ✓ ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack ✓

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓ ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

1304 Disarmed Unreset ✓ ✓

An exclusion event occurred.The event should now be reset by the operator.

1305 Disarmed Ack ✓

An exclusion event occurred.The event has been acknowledged.

1306 Disarmed Unack ✓ ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

1316 Manual ✓

An informative event occurred.No actions are needed by the operator.

1328 Blocked Unreset ✓ ✓

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

1329 Blocked Ack ✓

A supervisory out event occurred.The event has been acknowledged.

1330 Blocked Unack ✓ ✓

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

1350 Anomaly Unreset ✓ ✓

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

1351 Anomaly Ack ✓

A supervisory event occurred.The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

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



**Pseudo Device - ( FICONOEL )**

Model Type F

-> no arm/disarm functionality is available for this node (defined in specification of the project).

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 ✓

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

501 Alarm Ack

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓

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

900 Tamper Unack ✓

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

901 Tamper Ack

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓

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

1000 Quiet

No abnormal conditions present.

1110 Test-Alarm Unreset ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

---

1304 Disarmed Unreset ✓

An exclusion event occurred.The event should now be reset by the operator.

---

1305 Disarmed Ack

An exclusion event occurred.The event has been acknowledged.

---

1306 Disarmed Unack ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

---

1316 Manual

An informative event occurred.No actions are needed by the operator.

---

1328 Blocked Unreset ✓

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

---

1329 Blocked Ack

A supervisory out event occurred.The event has been acknowledged.

---

1330 Blocked Unack ✓

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

---

1350 Anomaly Unreset ✓

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

---

1351 Anomaly Ack

A supervisory event occurred.The event has been acknowledged.

---

1352 Anomaly Unack ✓

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

---

1500 Disconnected Unreset ✓

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

---

1501 Disconnected Ack

A fault out event occurred. The event has been acknowledged.

---

1502 Disconnected Unack ✓

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

---

1998 Fault Unreset ✓

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

---

1999 Fault Ack

A fault event occurred. The event has been acknowledged.

---

2000 Fault Unack ✓

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

---

## Detector Device - ( FIDEDEAU )

Model Type E

-> no arm/disarm functionality is available for this node. Node with components are not disarmable - only the components can be disarmed.

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 ✓

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

501 Alarm Ack

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓

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

900 Tamper Unack ✓

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

901 Tamper Ack

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓

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

1000 Quiet

No abnormal conditions present.

1316 Manual

An informative event occurred.No actions are needed by the operator.

1328 Blocked Unreset ✓

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



1329 Blocked Ack

A supervisory out event occurred.The event has been acknowledged.

---

1330 Blocked Unack ✓

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

---

1350 Anomaly Unreset ✓

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

---

1351 Anomaly Ack

A supervisory event occurred.The event has been acknowledged.

---

1352 Anomaly Unack ✓

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

---

1500 Disconnected Unreset ✓

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

---

1501 Disconnected Ack

A fault out event occurred.The event has been acknowledged.

---

1502 Disconnected Unack ✓

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

---

1998 Fault Unreset ✓

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

---

1999 Fault Ack

A fault event occurred.The event has been acknowledged.

---

2000 Fault Unack ✓

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

---

## 1St. Manual Station Device - ( FIDECPMA )

Model Type E

-> no arm/disarm functionality is available for this node. Node with components are not disarmable - only the components can be disarmed.

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 ✓

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

501 Alarm Ack

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓

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

900 Tamper Unack ✓

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

901 Tamper Ack

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓

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

1000 Quiet

No abnormal conditions present.

1316 Manual

An informative event occurred.No actions are needed by the operator.

1328 Blocked Unreset ✓

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

1329 Blocked Ack

A supervisory out event occurred.The event has been acknowledged.

---

1330 Blocked Unack ✓

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

---

1350 Anomaly Unreset ✓

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

---

1351 Anomaly Ack

A supervisory event occurred.The event has been acknowledged.

---

1352 Anomaly Unack ✓

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

---

1500 Disconnected Unreset ✓

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

---

1501 Disconnected Ack

A fault out event occurred.The event has been acknowledged.

---

1502 Disconnected Unack ✓

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

---

1998 Fault Unreset ✓

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

---

1999 Fault Ack

A fault event occurred.The event has been acknowledged.

---

2000 Fault Unack ✓

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

---

## 2St. Manual Station Device - ( FIDECPEL )

Model Type E

-> no arm/disarm functionality is available for this node. Node with components are not disarmable - only the components can be disarmed.

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 ✓

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

501 Alarm Ack

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓

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

900 Tamper Unack ✓

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

901 Tamper Ack

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓

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

1000 Quiet

No abnormal conditions present.

1316 Manual

An informative event occurred.No actions are needed by the operator.

1328 Blocked Unreset ✓

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

1329 Blocked Ack

A supervisory out event occurred.The event has been acknowledged.

---

1330 Blocked Unack ✓

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

---

1350 Anomaly Unreset ✓

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

---

1351 Anomaly Ack

A supervisory event occurred.The event has been acknowledged.

---

1352 Anomaly Unack ✓

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

---

1500 Disconnected Unreset ✓

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

---

1501 Disconnected Ack

A fault out event occurred.The event has been acknowledged.

---

1502 Disconnected Unack ✓

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

---

1998 Fault Unreset ✓

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

---

1999 Fault Ack

A fault event occurred.The event has been acknowledged.

---

2000 Fault Unack ✓

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

---

## Switch Component (generic) - ( IOCOINIT )

Model Type D

-> arm/disarm functionality is available for this node.

	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
501	Alarm Ack				✓								
A fire alarm occurred.The event has been acknowledged.													
502	Alarm Unreset		✓		✓								
A fire alarm occurred.The event should now be reset by the operator.													
900	Tamper Unack	✓			✓								
A security alarm occurred.The event should now be acknowledged by the operator.													
901	Tamper Ack				✓								
A security alarm occurred.The event has been acknowledged.													
902	Tamper Unreset		✓		✓								
A security alarm occurred.The event should now be reset by the operator.													
1000	Quiet				✓								
No abnormal conditions present.													
1110	Test-Alarm Unreset		✓		✓								
An exclusion out event occurred.The event should now be reset by the operator.													
1111	Test-Alarm Ack				✓								
An exclusion out event occurred.The event has been acknowledged.													
1112	Test-Alarm Unack	✓			✓								
An exclusion out event occurred.The event should now be acknowledged by the operator.													

1300 Disarmed ✓

An exclusion event occurred.No operations are needed by the operator.

1304 Disarmed Unreset ✓ ✓

An exclusion event occurred.The event should now be reset by the operator.

1305 Disarmed Ack ✓

An exclusion event occurred.The event has been acknowledged.

1306 Disarmed Unack ✓ ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

1316 Manual ✓

An informative event occurred.No actions are needed by the operator.

1328 Blocked Unreset ✓ ✓

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

1329 Blocked Ack ✓

A supervisory out event occurred.The event has been acknowledged.

1330 Blocked Unack ✓ ✓

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

1350 Anomaly Unreset ✓ ✓

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

1351 Anomaly Ack ✓

A supervisory event occurred.The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

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

1500 Disconnected Unreset ✓

The event should now be reset by the operator.

---

1501 Disconnected Ack ✓

A fault out event occurred. The event has been acknowledged.

---

1502 Disconnected Unack ✓ ✓

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

---

1998 Fault Unreset ✓ ✓

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

---

1999 Fault Ack ✓

A fault event occurred. The event has been acknowledged.

---

2000 Fault Unack ✓ ✓

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

---



## Zone Component - ( FIDEZOIT )

Model Type D

-> arm/disarm functionality is available for this node.

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 ✓ ✓

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

501 Alarm Ack ✓

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓ ✓

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

900 Tamper Unack ✓ ✓

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

901 Tamper Ack ✓

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓ ✓

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

1000 Quiet ✓

No abnormal conditions present.

1110 Test-Alarm Unreset ✓ ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack ✓

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓ ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

1300 Disarmed ✓

An exclusion event occurred.No operations are needed by the operator.

1304 Disarmed Unreset ✓ ✓

An exclusion event occurred.The event should now be reset by the operator.

1305 Disarmed Ack ✓

An exclusion event occurred.The event has been acknowledged.

1306 Disarmed Unack ✓ ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

1316 Manual ✓

An informative event occurred.No actions are needed by the operator.

1328 Blocked Unreset ✓ ✓

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

1329 Blocked Ack ✓

A supervisory out event occurred.The event has been acknowledged.

1330 Blocked Unack ✓ ✓

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

1350 Anomaly Unreset ✓ ✓

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

1351 Anomaly Ack ✓

A supervisory event occurred.The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

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

---

1500 Disconnected Unreset ✓ ✓

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

---

1501 Disconnected Ack ✓

A fault out event occurred.The event has been acknowledged.

---

1502 Disconnected Unack ✓ ✓

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

---

1998 Fault Unreset ✓ ✓

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

---

1999 Fault Ack ✓

A fault event occurred.The event has been acknowledged.

---

2000 Fault Unack ✓ ✓

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

---

## Relay Component - ( IOCOUIT )

Model Type F

-> arm/disarm functionality is available for this node.

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 ✓ ✓

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

501 Alarm Ack ✓

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓ ✓

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

900 Tamper Unack ✓ ✓

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

901 Tamper Ack ✓

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓ ✓

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

1000 Quiet ✓

No abnormal conditions present.

1110 Test-Alarm Unreset ✓ ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack ✓

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓ ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

1300 Disarmed ✓

An exclusion event occurred.No operations are needed by the operator.

1304 Disarmed Unreset ✓ ✓

An exclusion event occurred.The event should now be reset by the operator.

1305 Disarmed Ack ✓

An exclusion event occurred.The event has been acknowledged.

1306 Disarmed Unack ✓ ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

1316 Manual ✓

An informative event occurred.No actions are needed by the operator.

1328 Blocked Unreset ✓ ✓

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

1329 Blocked Ack ✓

A supervisory out event occurred.The event has been acknowledged.

1330 Blocked Unack ✓ ✓

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

1350 Anomaly Unreset ✓ ✓

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

1351 Anomaly Ack ✓

A supervisory event occurred.The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

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

---

1500 Disconnected Unreset ✓ ✓

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

---

1501 Disconnected Ack ✓

A fault out event occurred.The event has been acknowledged.

---

1502 Disconnected Unack ✓ ✓

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

---

1998 Fault Unreset ✓ ✓

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

---

1999 Fault Ack ✓

A fault event occurred.The event has been acknowledged.

---

2000 Fault Unack ✓ ✓

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

---

## LED Component - ( IOCOUIT )

Model Type F

-> arm/disarm functionality is available for this node.

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 ✓ ✓

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

501 Alarm Ack ✓

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓ ✓

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

900 Tamper Unack ✓ ✓

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

901 Tamper Ack ✓

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓ ✓

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

1000 Quiet ✓

No abnormal conditions present.

1110 Test-Alarm Unreset ✓ ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack ✓

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓ ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

1300 Disarmed ✓

An exclusion event occurred.No operations are needed by the operator.

1304 Disarmed Unreset ✓ ✓

An exclusion event occurred.The event should now be reset by the operator.

1305 Disarmed Ack ✓

An exclusion event occurred.The event has been acknowledged.

1306 Disarmed Unack ✓ ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

1316 Manual ✓

An informative event occurred.No actions are needed by the operator.

1328 Blocked Unreset ✓ ✓

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

1329 Blocked Ack ✓

A supervisory out event occurred.The event has been acknowledged.

1330 Blocked Unack ✓ ✓

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

1350 Anomaly Unreset ✓ ✓

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

1351 Anomaly Ack ✓

A supervisory event occurred.The event has been acknowledged.



1352 Anomaly Unack ✓ ✓

The event should now be acknowledged by the operator.

---

1500 Disconnected Unreset ✓ ✓

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

---

1501 Disconnected Ack ✓

A fault out event occurred. The event has been acknowledged.

---

1502 Disconnected Unack ✓ ✓

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

---

1998 Fault Unreset ✓ ✓

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

---

1999 Fault Ack ✓

A fault event occurred. The event has been acknowledged.

---

2000 Fault Unack ✓ ✓

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

---

## Switch Component (manual) - ( IOCOINIT )

Model Type D

-> arm/disarm functionality is available for this node.

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 ✓ ✓

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

501 Alarm Ack ✓

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓ ✓

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

900 Tamper Unack ✓ ✓

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

901 Tamper Ack ✓

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓ ✓

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

1000 Quiet ✓

No abnormal conditions present.

1110 Test-Alarm Unreset ✓ ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack ✓

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓ ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

1300 Disarmed ✓

An exclusion event occurred.No operations are needed by the operator.

1304 Disarmed Unreset ✓ ✓

An exclusion event occurred.The event should now be reset by the operator.

1305 Disarmed Ack ✓

An exclusion event occurred.The event has been acknowledged.

1306 Disarmed Unack ✓ ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

1316 Manual ✓

An informative event occurred.No operations are needed by the user.

1328 Blocked Unreset ✓ ✓

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

1329 Blocked Ack ✓

A supervisory out event occurred.The event has been acknowledged.

1330 Blocked Unack ✓ ✓

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

1350 Anomaly Unreset ✓ ✓

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

1351 Anomaly Ack ✓

A supervisory event occurred.The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

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

---

1500 Disconnected Unreset ✓ ✓

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

---

1501 Disconnected Ack ✓

A fault out event occurred.The event has been acknowledged.

---

1502 Disconnected Unack ✓ ✓

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

---

1998 Fault Unreset ✓ ✓

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

---

1999 Fault Ack ✓

A fault event occurred.The event has been acknowledged.

---

2000 Fault Unack ✓ ✓

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

---

## Detector Component - ( FIDEDEIT )

Model Type D

-> arm/disarm functionality is available for this node.

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 ✓ ✓

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

501 Alarm Ack ✓

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓ ✓

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

900 Tamper Unack ✓ ✓

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

901 Tamper Ack ✓

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓

The event should now be reset by the operator.

1000 Quiet ✓

No abnormal conditions present.

1110 Test-Alarm Unreset ✓ ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack ✓

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓ ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

1300 Disarmed ✓

An exclusion event occurred.No operations are needed by the operator.

1304 Disarmed Unreset ✓ ✓

An exclusion event occurred.The event should now be reset by the operator.

1305 Disarmed Ack ✓

An exclusion event occurred.The event has been acknowledged.

1306 Disarmed Unack ✓ ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

1316 Manual ✓

An informative event occurred. No operation is needed by the user.

1328 Blocked Unreset ✓ ✓

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

1329 Blocked Ack ✓

A supervisory out event occurred.The event has been acknowledged.

1330 Blocked Unack ✓ ✓

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

1350 Anomaly Unreset ✓ ✓

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

1351 Anomaly Ack ✓

A supervisory event occurred.The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

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

---

1500 Disconnected Unreset ✓ ✓

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

---

1501 Disconnected Ack ✓

A fault out event occurred.The event has been acknowledged.

---

1502 Disconnected Unack ✓ ✓

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

---

1998 Fault Unreset ✓ ✓

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

---

1999 Fault Ack ✓

A fault event occurred.The event has been acknowledged.

---

2000 Fault Unack ✓ ✓

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

---

## Activate/Deactivate - ( IOCOALLO )

The Activate / Deactivate node is used to activate and deactivate disarmed outputs. This node does not generate an event and the commands are only available if the parent node is disarmed. It is a logical node which doesn't physically exist in the system.

Model Type C

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

946 Active Unack ✓

The event should now be acknowledged by the operator.

947 Active Ack

The event has been acknowledged.

948 Active Unreset ✓

The event should now be reset by the operator.

950 Active

1000 Quiet

No abnormal conditions present.



## Switch Device (with Component) - ( IOCOINEL )

Model Type E

-> no arm/disarm functionality is available for this node. Node with components are not disarmable - only the components can be disarmed.

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 ✓

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

501 Alarm Ack

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓

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

900 Tamper Unack ✓

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

901 Tamper Ack

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓

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

1000 Quiet

No abnormal conditions present.

1110 Test-Alarm Unreset ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

---

1304 Disarmed Unreset ✓

An exclusion event occurred.The event should now be reset by the operator.

---

1305 Disarmed Ack

An exclusion event occurred.The event has been acknowledged.

---

1306 Disarmed Unack ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

---

1316 Manual

An informative event occurred.No operations are needed by the user.

---

1328 Blocked Unreset ✓

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

---

1329 Blocked Ack

A supervisory out event occurred.The event has been acknowledged.

---

1330 Blocked Unack ✓

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

---

1350 Anomaly Unreset ✓

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

---

1351 Anomaly Ack

A supervisory event occurred.The event has been acknowledged.

---

1352 Anomaly Unack ✓

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

---

1500 Disconnected Unreset ✓

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

---

1501 Disconnected Ack

A fault out event occurred. The event has been acknowledged.

---

1502 Disconnected Unack ✓

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

---

1998 Fault Unreset ✓

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

---

1999 Fault Ack

A fault event occurred. The event has been acknowledged.

---

2000 Fault Unack ✓

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

---

## Link Node - ( UDUDUDUD )

---

This node is used for the link nodes of the physical nodes in the logical tree.

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.

---

## HCP Relay Component - ( IOCOOUAX )

Model Type F

-> arm/disarm functionality is available for this node.

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 ✓

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

501 Alarm Ack

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓

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

900 Tamper Unack ✓

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

901 Tamper Ack

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓

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

1000 Quiet

No abnormal conditions present.

1110 Test-Alarm Unreset ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

---

1304 Disarmed Unreset ✓

An exclusion event occurred.The event should now be reset by the operator.

---

1305 Disarmed Ack

An exclusion event occurred.The event has been acknowledged.

---

1306 Disarmed Unack ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

---

1316 Manual

An informative event occurred.No operations are needed by the user.

---

1328 Blocked Unreset ✓

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

---

1329 Blocked Ack

A supervisory out event occurred.The event has been acknowledged.

---

1330 Blocked Unack ✓

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

---

1350 Anomaly Unreset ✓

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

---

1351 Anomaly Ack

A supervisory event occurred.The event has been acknowledged.

---

1352 Anomaly Unack ✓

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

---

1500 Disconnected Unreset ✓

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

---

1501 Disconnected Ack

A fault out event occurred. The event has been acknowledged.

---

1502 Disconnected Unack ✓

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

---

1998 Fault Unreset ✓

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

---

1999 Fault Ack

A fault event occurred. The event has been acknowledged.

---

2000 Fault Unack ✓

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

---

**Detector Device MLC - ( FIDEDEOT )**

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 ✓ ✓

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

501 Alarm Ack ✓

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓ ✓

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

900 Tamper Unack ✓ ✓

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

901 Tamper Ack ✓

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓ ✓

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

1000 Quiet ✓

No abnormal conditions present.

1110 Test-Alarm Unreset ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack

An exclusion out event occurred.The event has been acknowledged.



1112 Test-Alarm Unack ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

1300 Disarmed ✓

1304 Disarmed Unreset ✓

The event should now be reset by the operator.

1305 Disarmed Ack ✓

An exclusion event occurred.The event has been acknowledged.

1306 Disarmed Unack ✓

The event should now be acknowledged by the operator.

1316 Manual ✓

An informative event occurred.No actions are needed by the operator.

1328 Blocked Unreset ✓ ✓

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

1329 Blocked Ack ✓

A supervisory out event occurred.The event has been acknowledged.

1330 Blocked Unack ✓ ✓

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

1350 Anomaly Unreset ✓ ✓

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

1351 Anomaly Ack ✓

A supervisory out event occurred.The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

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

---

1500 Disconnected Unreset ✓ ✓

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

---

1501 Disconnected Ack ✓

A fault out event occurred.The event has been acknowledged.

---

1502 Disconnected Unack ✓ ✓

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

---

1998 Fault Unreset ✓ ✓

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

---

1999 Fault Ack ✓

A fault event occurred.The event has been acknowledged.

---

2000 Fault Unack ✓ ✓

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

---

**Zone Device MLC - ( FIDEZOOT )**

		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	✓			✓								
A fire alarm occurred.The event should now be acknowledged by the operator.													
501	Alarm Ack				✓								
A fire alarm occurred.The event has been acknowledged.													
502	Alarm Unreset		✓		✓								
A fire alarm occurred.The event should now be reset by the operator.													
900	Tamper Unack	✓			✓								
A security alarm occurred.The event should now be acknowledged by the operator.													
901	Tamper Ack				✓								
A security alarm occurred.The event has been acknowledged.													
902	Tamper Unreset		✓		✓								
A security alarm occurred.The event should now be reset by the operator.													
1000	Quiet				✓								
No abnormal conditions present.													
1110	Test-Alarm Unreset		✓		✓								
An exclusion out event occurred.The event should now be reset by the operator.													
1111	Test-Alarm Ack				✓								
An exclusion out event occurred.The event has been acknowledged.													

1112 Test-Alarm Unack ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

1305 Disarmed Ack ✓

An exclusion event occurred.The event has been acknowledged.

1306 Disarmed Unack ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

1316 Manual ✓

An informative event occurred.No operations are needed by the user.

1328 Blocked Unreset ✓ ✓

A supervisory out event occurredThe event should now be reset by the operator.

1329 Blocked Ack ✓

A supervisory out event occurredThe event has been acknowledged.

1330 Blocked Unack ✓ ✓

A supervisory out event occurredThe event should now be acknowledged by the operator.

1350 Anomaly Unreset ✓ ✓

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

1351 Anomaly Ack ✓

A supervisory event occurred.The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

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

1400 Disconnected ✓ ✓

A fault out event occurred.



HTRI / TRI Device MLC - ( IOCOIOT )

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	✓			✓											
A fire alarm occurred.The event should now be acknowledged by the operator.																
501	Alarm Ack				✓											
A fire alarm occurred.The event has been acknowledged.																
502	Alarm Unreset		✓		✓											
A fire alarm occurred.The event should now be reset by the operator.																
900	Tamper Unack	✓			✓											
A security alarm occurred.The event should now be acknowledged by the operator.																
901	Tamper Ack				✓											
A security alarm occurred.The event has been acknowledged.																
902	Tamper Unreset		✓		✓											
A security alarm occurred.The event should now be reset by the operator.																
1000	Quiet				✓											
No abnormal conditions present.																
1110	Test-Alarm Unreset		✓		✓											
An exclusion out event occurred.The event should now be reset by the operator.																
1111	Test-Alarm Ack				✓											
An exclusion out event occurred.The event has been acknowledged.																

1112 Test-Alarm Unack ✓ ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

1305 Disarmed Ack ✓

An exclusion event occurred.The event has been acknowledged.

1306 Disarmed Unack ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

1316 Manual ✓

An informative event occurred.No actions are needed by the operator.

1328 Blocked Unreset ✓ ✓

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

1329 Blocked Ack ✓

A supervisory out event occurred.The event has been acknowledged.

1330 Blocked Unack ✓ ✓

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

1350 Anomaly Unreset ✓ ✓

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

1351 Anomaly Ack ✓

A supervisory event occurred.The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

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

1500 Disconnected Unreset ✓ ✓

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





1st Manual Station Device MLC - ( FIDECPOT )

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 ✓ ✓

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

501 Alarm Ack ✓

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓ ✓

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

900 Tamper Unack ✓ ✓

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

901 Tamper Ack ✓

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓ ✓

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

1000 Quiet

No abnormal conditions present.

1110 Test-Alarm Unreset ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

1305 Disarmed Ack ✓

An exclusion event occurred.The event has been acknowledged.

1306 Disarmed Unack ✓ ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

1316 Manual ✓

An informative event occurred..No actions are needed by the operator.

1328 Blocked Unreset ✓ ✓

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

1329 Blocked Ack ✓

A supervisory out event occurred.The event has been acknowledged.

1330 Blocked Unack ✓ ✓

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

1350 Anomaly Unreset ✓ ✓

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

1351 Anomaly Ack ✓

A supervisory event occurred.The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

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

1500 Disconnected Unreset ✓ ✓

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



2st Manual Station Device MLC - ( FIDECPAX )

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 ✓ ✓

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

501 Alarm Ack ✓

A fire alarm occurred.The event has been acknowledged.

502 Alarm Unreset ✓ ✓

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

900 Tamper Unack ✓ ✓

A security alarm occurredThe event should now be acknowledged by the operator.

901 Tamper Ack ✓

A security alarm occurred.The event has been acknowledged.

902 Tamper Unreset ✓ ✓

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

1000 Quiet ✓

No abnormal conditions present.

1110 Test-Alarm Unreset ✓

An exclusion out event occurred.The event should now be reset by the operator.

1111 Test-Alarm Ack

An exclusion out event occurred.The event has been acknowledged.

1112 Test-Alarm Unack ✓

An exclusion out event occurred.The event should now be acknowledged by the operator.

1305 Disarmed Ack ✓

An exclusion event occurred.The event has been acknowledged.

1306 Disarmed Unack ✓

An exclusion event occurred.The event should now be acknowledged by the operator.

1316 Manual ✓

An informative event occurred..No actions are needed by the operator.

1328 Blocked Unreset ✓ ✓

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

1329 Blocked Ack ✓

A supervisory out event occurred.The event has been acknowledged.

1330 Blocked Unack ✓ ✓

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

1350 Anomaly Unreset ✓ ✓

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

1351 Anomaly Ack ✓

A supervisory event occurred.The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

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

1500 Disconnected Unreset ✓ ✓

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



## X-NET - ( FINOAPMN )

It is the main node of the subsystem and has the import functionality as well as some important settings.  
Model Type G. ->

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.

1350 Anomaly Unreset ✓

The event should now be reset by the operator.

1351 Anomaly Ack

The event has been acknowledged.

1352 Anomaly Unack ✓

The event should now be acknowledged by the operator.

1369 Not Aligned

The control unit is not aligned to the field.

1370 Alignment In Progress

The alignment fase is in progress.

1998 Fault Unreset ✓

The event should now be reset by the operator.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack ✓

The event should now be acknowledged by the operator.

2051 Vitality Fault

Missing vitality message (heartbeat): trouble in the communication link.

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