

SIEMENS

***MK8000 OPC Server Interface
Specification for Sintony SI410***

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Sintony SI410

The panel comes with 16 zone inputs out of the box, expandable to 448. Zones can be assigned to up to 16 partitions, which can be assigned to 4 "clusters." This uniquely flexible structure allows up to 16 independent installations or systems with up to 128 arming groups to be run from a single Sintony 410 panel.

16 user event memories are provided (one for each partition), as well as an installer event memory. Event memories can be read locally from the keypad or a printer/PC or remotely via a telephone connection.

The Sintony 410 can integrate access control into the security system, using up to 32 card Wiegand card reader interfaces for up to 500 users.

Siemens' advanced E-Bus allows connection of multiple devices to a single four wire cable. Audio and video buses are also available for alarm verification and two way communication, with the addition of two more wires for each bus, allowing the complete multimedia system to run on a single eight core cable..

The Sintony 410's communicator can transmit all major alarm formats to up to two central stations, as well as sending plain text messages to up to two PCs. It can also send a message to a pager. The addition of the SMV11 voice module allows voice messages to be transmitted.

Programming of Sintony control panels can be carried out through the keypad, a laptop computer or by remote upload download. Programming can be downloaded by the installer onsite by connecting to an unattended remote computer, thanks to Siemen's unique "parameter server" feature.

Sintony Application - (INNOAPMN)

The `Sintony Application` object represents the entire Si410 and the geographical area covered by the intrusion protection.

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.

1351 Anomaly Ack ✓

The event has been acknowledged.

1369 Not Aligned

The control unit is not aligned to the field.

1370 Alignment In Progress

The alignment fase is in progress.

1999 Fault Ack ✓

A faulty condition has been detected on the communication link to the Sintony; the event has been acknowledged.

2051 Vitality Fault ✓

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

Physical Tree - (UDUDOLMN)

The 'Physical tree' object represents the collection of the objects related to the Sintony hardware components.

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)

The 'Logical tree' object represents the collection of objects that are grouped as discussed in the Sintony control unit description at the beginning of this section.

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.

External device folder - (UDUDOLMN)

This node is only a Folder.

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.

Control Unit - (INNOCCGE)

The `Control unit` object represents the possible faulty conditions related to the Sintony control unit, and to the general health of the physical subsystem.

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.

1999 Fault Ack

The event has been acknowledged.

Remote transmission - (INNORCGE)

The Remote Transmission object covers the states of the remote transmission device.

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 ✓

Power Supplies - (INNOPSET)

The Power Supply object reports the conditions determined by power supply monitoring logic.

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

901 Tamper Ack

The event has been acknowledged.

911 Tamper & Fault Ack

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

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

Remote Keypads - (INNOKBET)

The 'Remote Keypads' object presents the possible conditions related to the remote Terminal.

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.

501 Alarm Ack

The event has been acknowledged.

511 Alarm & Fault Ack

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

901 Tamper Ack

The event has been acknowledged.

911 Tamper & Fault Ack

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

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

Radio Gateway - (INNOCKET)

The Radio Gateway are devices that may be connected to wireless sensor

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

901 Tamper Ack

The event has been acknowledged.

911 Tamper & Fault Ack

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

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

Card readers - (INNOCRET)

A Sintony may support up to 32 card readers

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

901 Tamper Ack

The event has been acknowledged.

911 Tamper & Fault Ack

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

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

Output transponder - (INNOOBET)

Output transponders are boards with 8 outputs each

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

901 Tamper Ack

The event has been acknowledged.

911 Tamper & Fault Ack

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

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

I/O transponder - (INNOIBET)

I/O transponders are I/O boards with 4 inputs and 2 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

901 Tamper Ack

The event has been acknowledged.

911 Tamper & Fault Ack

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

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

Audio Video Verifiers - (INNOVEET)

There can be up to 32 audio or video devices to check the situation.

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

901 Tamper Ack

The event has been acknowledged.

911 Tamper & Fault Ack

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

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

E-Bus Gateway - (INNOEPET)

An E-Bus gateway can connect the following objects: keypads, powerSupplies,I/O transponders, AudioModules, cardReaders, output modules.
A Sintony support up to 4 E-Bus gateway

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

901 Tamper Ack

The event has been acknowledged.

911 Tamper & Fault Ack

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

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

System - (INNOORGE)

The `System` object represents the possible general conditions related to the Sintony 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

400 Alarm & Tamper Unack ✓ ✓

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

401 Alarm & Tamper Ack ✓

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

501 Alarm Ack ✓

The event has been acknowledged.

511 Alarm & Fault Ack ✓

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

900 Tamper Unack ✓ ✓

The event should now be acknowledged 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.

1000 Quiet ✓

No abnormal conditions present.

1200 Armed ✓

The user is Logged In

1351 Anomaly Ack



The pannel has a new configuration. The event has been acknowledged.

1999 Fault Ack



The event has been acknowledged.

Cluster - (INNOSEGE)

The Cluster is a logical set of partitions.

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

Partitions - (INNOZOGÉ)

The partitions are a logical set of inputs. In a Sintony it is possible to configure up to 16 partitions

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 event should now be acknowledged by the operator.												
501 Alarm Ack				✓							✓	
The event has been acknowledged.												
502 Alarm Unreset				✓							✓	
The event should now be reset by the operator.												
950 Active				✓			✓				✓	
The event has been acknowledged.												
1000 Quiet				✓							✓	
No abnormal conditions present.												
1300 Disarmed			✓								✓	
The event has been acknowledged.												
1351 Anomaly Ack				✓							✓	
The event has been acknowledged.												

Rooms - (INNOROGE)

Each partition can be divided in up to 8 rooms.

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

Outputs - (INNOOUGE)

This object represents the status of the output in the Sintony 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

950 Active

✓

1000 Quiet

✓

✓

No abnormal conditions present.

1100 Test

✓

✓

Horns - (INNOHOGE)

The `Horn` object represents a status of the horn device.

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.

1100 Test

✓

✓

Bypassable Inputs - (INNOBIGE)

The 'Bypassable Input' object represents the conditions related to the Bypassable Inputs.

	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												✓
The event has been acknowledged.													
511	Alarm & Fault Ack												✓
This event is the combination of the Alarm and Fault state. The event has been acknowledged.													
911	Tamper & Fault Ack					✓							✓
This event is the combination of the Tamper and Fault state. The event has been acknowledged.													
950	Active							✓					✓
1000	Quiet					✓							✓
No abnormal conditions present.													
1100	Test							✓					✓
1351	Anomaly Ack					✓							✓
The event has been acknowledged.													
1999	Fault Ack					✓		✓					
This status can result both from a shorted line or an open line on the input and from a bypass command from the user The event has been acknowledged..													

Generic inputs - (INNOINGE)

Generic inputs are general purpose inputs.

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

The event has been acknowledged.

511 Alarm & Fault Ack

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

950 Active

1000 Quiet

✓

No abnormal conditions present.

1100 Test

✓

1351 Anomaly Ack

✓

The event has been acknowledged.

1999 Fault Ack

✓

The event has been acknowledged.

Serialcom Inputs - (INNOINSC)

The 'Serialcom Inputs' object represents the conditions related to the Serialcom Inputs.

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

The event has been acknowledged.

511 Alarm & Fault Ack

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

950 Active

1000 Quiet

✓

No abnormal conditions present.

1100 Test

✓

1351 Anomaly Ack

✓

The event has been acknowledged.

1999 Fault Ack

✓

The event has been acknowledged.

Technical Inputs - (INCOINGE)

The `Technical Inputs` object represents the conditions related to the Technical Inputs.

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

The event has been acknowledged.

511 Alarm & Fault Ack

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

950 Active

1000 Quiet

✓

No abnormal conditions present.

1100 Test

✓

1351 Anomaly Ack

✓

The event has been acknowledged.

1999 Fault Ack

✓

The event has been acknowledged.

Silent Panic Inputs - (INPAINSL)

The 'Silent Panic Inputs' object represents the conditions related to the Silent Panic Inputs.

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

The event has been acknowledged.

511 Alarm & Fault Ack

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

950 Active

1000 Quiet

✓

No abnormal conditions present.

1100 Test

✓

1351 Anomaly Ack

✓

The event has been acknowledged.

1999 Fault Ack

✓

The event has been acknowledged.

Audible Panic Inputs - (INPAINAB)

The `Audible Panic Inputs` object represents the conditions related to the Audible Panic Inputs.

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

The event has been acknowledged.

511 Alarm & Fault Ack

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

950 Active

1000 Quiet

✓

No abnormal conditions present.

1100 Test

✓

1351 Anomaly Ack

✓

The event has been acknowledged.

1999 Fault Ack

✓

The event has been acknowledged.

Tamper Inputs - (INTAINGE)

The `Tamper Inputs` object represents the conditions related to the Tamper Inputs.

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

The event has been acknowledged.

511 Alarm & Fault Ack

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

950 Active

1000 Quiet

✓

No abnormal conditions present.

1100 Test

✓

1351 Anomaly Ack

✓

The event has been acknowledged.

1999 Fault Ack

✓

The event has been acknowledged.

Burglary Inputs - (INBUINGE)

The `Burglary Inputs` object represents the conditions related to the Burglary Inputs.

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

The event has been acknowledged.

511 Alarm & Fault Ack

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

950 Active

1000 Quiet

✓

No abnormal conditions present.

1100 Test

✓

1351 Anomaly Ack

✓

The event has been acknowledged.

1999 Fault Ack

✓

The event has been acknowledged.

Bypassable Burglary Inputs - (INBUBIGE)

The 'Bypassable Burglary Inputs' object represents the conditions related to the Bypassable Burglary Inputs.

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												✓
The event has been acknowledged.												
511 Alarm & Fault Ack												✓
This event is the combination of the Alarm and Fault state. The event has been acknowledged.												
950 Active												✓
1000 Quiet					✓							✓
No abnormal conditions present.												
1100 Test							✓					✓
1351 Anomaly Ack					✓							✓
The event has been acknowledged.												
1999 Fault Ack					✓		✓					
This status can result both from a shorted line or an open line on the input and from a bypass command from the user The event has been acknowledged.												

Burglary 24h Inputs - (INBUIN24)

The `Burglary 24h Input` object represents the conditions related to the Burglary 24h Inputs.

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

The event has been acknowledged.

511 Alarm & Fault Ack

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

950 Active

1000 Quiet

✓

No abnormal conditions present.

1100 Test

✓

1351 Anomaly Ack

✓

✓

The event has been acknowledged.

1999 Fault Ack

✓

✓

The event has been acknowledged.

Burglary 24h Bypassable Inputs - (INBUBI24)

The 'Burglary 24h Bypassable Input' object represents the conditions related to the Burglary 24h Bypassable Inputs.

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												✓
The event has been acknowledged.												
511 Alarm & Fault Ack												✓
This event is the combination of the Alarm and Fault state. The event has been acknowledged.												
950 Active												✓
1000 Quiet					✓							✓
No abnormal conditions present.												
1100 Test							✓					✓
1351 Anomaly Ack					✓							✓
The event has been acknowledged.												
1999 Fault Ack					✓		✓					
This status can result both from a shorted line or an open line on the input and from a bypass command from the user The event has been acknowledged.												

Fire Inputs - (FIDEINGE)

The 'Fire Inputs' object represents the conditions related to the Fire Inputs.

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

The event has been acknowledged.

511 Alarm & Fault Ack

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

950 Active

1000 Quiet

✓

No abnormal conditions present.

1100 Test

✓

1351 Anomaly Ack

✓

The event has been acknowledged.

1999 Fault Ack

✓

The event has been acknowledged.

Emergency Exit Inputs - (INBUINEE)

The 'Emergency Exit Inputs' object represents the conditions related to the Emergency Exit Inputs.

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

The event has been acknowledged.

511 Alarm & Fault Ack

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

950 Active

1000 Quiet

✓

No abnormal conditions present.

1100 Test

✓

1351 Anomaly Ack

✓

The event has been acknowledged.

1999 Fault Ack

✓

The event has been acknowledged.

LSN Gateway - (INNOCKGE)

In a Sintony there can be up to 3 LSN-gateways. The Sintony devices can be connected to them.

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

901 Tamper Ack

The event has been acknowledged.

911 Tamper & Fault Ack

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

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

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