

SIEMENS

***MK8000 OPC Server Interface
Specification for STT2410***

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STT2410

The STT2410 is a control unit designed for performing automatic actions (called `fire actuations`) following the detection of a fire alarm.

The basic control unit (master) permits the connection of 24 collective lines. The number of collective connections can be increased (in stages of 24) to 96 by connecting up to three slaves. Together master and slaves can contain up to 96 control inputs and outputs.

It is made only of a physical tree which includes the physical control unit with power supply, the collective line boards and the I/O boards.

System limits:

- 96 collective lines
- 96 control inputs/outputs.

History :

01.03 : updated to fit CNAP v2.3u

Summary view

STT2410 Model

STT2410 Application	Obj. Name: FINOAPMN	NT ID: 1
Communication parameters	Obj. Name: UDUDOLAX	NT ID: 2
Notification class	Obj. Name: UDUDNCUD	NT ID: 4
Program	Obj. Name: UDUDPGMN	NT ID: 3
Control unit	Obj. Name: FINOCCUD	NT ID: 10
Controls	Obj. Name: FICOOLCO	NT ID: 20
General evacuation	Obj. Name: FICOHCEE	NT ID: 21
Line	Obj. Name: FICOALCO	NT ID: 22
Digital I/O	Obj. Name: UDUDOLBI	NT ID: 30
Input/Output	Obj. Name: BSCOIOBI	NT ID: 31

STT2410 Application - (FINOAPMN)

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 Control unit is in Configuration error or in partially reachable. The event has been acknowledged.

1370 Alignment In Progress

The alignment fase is in progress.

1999 Fault Ack

The event has been acknowledged.

2051 Vitality Fault

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

Control unit - (FINOCCUD)

The `Control unit` object presents the possible faulty conditions related to the STT2410 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 Control Unit is in fault or there are some problem with the battery.
The event has been acknowledged.

2000 Fault Unack



The Control Unit is in fault or there are some problem with the battery. The event should now be acknowledged by the operator.

Controls - (FICOOLCO)

This object is used to summarise states of all command lines. It is only possible to de-activate all lines with one command.

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. the control unit is in automatic mode

1316 Manual

The Control unit is in Manual Mode

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack

✓

The event should now be acknowledged by the operator.

General evacuation - (FICOHCEE)

This object is used to command all horns lines

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.

Line - (FICOALCO)

Collective line states

Only the Active command is available.

The Inactive command is a global command on the 'Asservissements' object

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

800 Prealarm Unack ✓

A safety position fault has been detected.

The event should now be acknowledged by the operator.

802 Prealarm Unreset ✓

A safety position fault was detected.

The event should now be reset by the operator.

810 Prealarm & Fault Unack ✓

This event is the combination of a safety position fault and a line fault state. The event should now be acknowledged by the operator.

811 Prealarm & Fault Ack

This event is the combination of a safety position fault and a line fault state. The event has been acknowledged.

812 Prealarm & Fault Unreset ✓

This event is the combination of a safety position fault and a line fault state. The event should now be reset by the operator.

946 Active Unack ✓

The event should now be acknowledged by the operator.

948 Active Unreset ✓

The event should now be reset by the operator.

950 Active ✓

1000 Quiet ✓

No abnormal conditions present.

1351 Anomaly Ack ✓

A wait position fault has been detected.
The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

A wait position fault has been detected.
The event should now be acknowledged by the operator.

1998 Fault Unreset ✓ ✓

A line fault was detected.
The event should now be reset by the operator.

1999 Fault Ack ✓

A line fault has been detected.
The event has been acknowledged.

2000 Fault Unack ✓ ✓

A line fault has been detected.
The event should now be acknowledged by the operator.

Digital I/O - (UDUDOLBI)

This object is for modelling purposes only and serves to collect all digital inputs and outputs in the 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.

Input/Output - (BSCOIOBI)

This object indicates the state of the corresponding unmonitored signal contact (MUX-input) or control contact (DEMUX-output). Within the CZ10 these I/O are associated to the Building Service section E1.

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.

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