



SINOTTICO 32N SUPERVISORY BOARD

PRODUCT DESCRIPTION

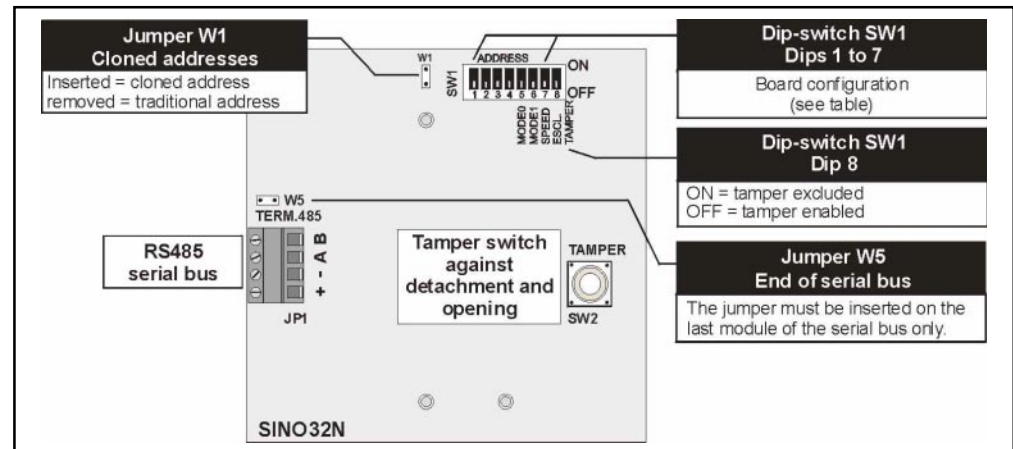
Release: 1.0
Update: June 2003
Language: English

SINOTTICO 32N - Supervisory board with 32 LEDs

SINOTTICO 32N supplies 32 LEDs for signaling of system status. It must be connected via serial bus RS485 and configured by dip-switch SW1.



ELECTRONIC BOARD



PROGRAMMING BY DIP-SWITCH SW1

The module can work both with low (9,600 baud) or high bus speed (38,400 baud). The standard serial bus accepts 4 bit addresses (max. 16 modules), whereas the mentre quello veloce accepts a 6 bit addresses (max. 64 modules).

Enabling of tamper

DIP 8	ON	Tamper excluded
	OFF	Tamper enabled

TECHNICAL SPECIFICATION

Producer:	TecnAlarm
Device:	SINOTTICO 32N
Description:	Supervisory board with 32 LEDs
Tamper:	1 microswitch against opening and detachment
Connection:	Serial bus RS485
Operating voltage:	Rated 12V
	Min. 10V
	Max. 14V
Consumption:	Rated 150mA
Operating temperature:	+5°C...+40°C

TecnAlarm

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10156 Torino (Italy)
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www.tecnoalarm.com

Bus speed selection

DIP 7 ON	Functioning with quick bus (38,400 Baud)
DIPS 1-2-3-4-5-6 - ADDRESSES FOR QUICK BUS	
1 2 3 4 5 6 Address	1 2 3 4 5 6 Address
ON       0	ON       64

ATTENTION

The quick bus can be used only with compatible control panels (TP256ff).

DIP 7 OFF	Functioning with standard bus (9,600 Baud)
DIP 6 OFF DIP 5 OFF	Functioning with TP8-64 and DIALOG128
DIP 6 OFF DIP 5 ON	Functioning with TP6/R, TP12/R and TP14/R
DIP 6 ON DIP 5 ON	Functioning with TP5

DIPS 1-2-3-4 - ADDRESSES FOR STANDARD BUS							
1 2 3 4 Address	1 2 3 4 Address	1 2 3 4 Address	1 2 3 4 Address	1 2 3 4 Address	1 2 3 4 Address	1 2 3 4 Address	1 2 3 4 Address
ON     0	    4	    8	    12	ON     1	    5	    9	    13
ON     2	    6	    10	    14	ON     3	    7	    11	    15

ATTENTION

Never connect two modules with the same address.

Control panel TP5 (address 15 compulsory)

TP5				DIP 1-2-3-4 Address 15 (0FH)			
Output	Description	Output	Description	Output	Description	Output	Description
1	Alarm zone 1	1	Power failure	1	General alarm (1)	1	Alarm memory Z4
2	Alarm zone 2	2	Cut telephone line	2	Prealarm	2	Alarm memory Z5
3	Alarm zone 3	3	Remote control	3	Stand-by	3	Zone 1 open
4	Alarm zone 4	4		4	Total arming	4	Zone 2 open
5	Alarm zone 5	5	System OK (2)	5	partial arming	5	Zone 3 open
6	Tamper	6	Technical alarm	6	Alarm memory Z1	6	Zone 4 open
7	Zone tamper	7	Panic/hold-up alarm	7	Alarm memory Z2	7	Zone 5 open
8	Low battery	8	Zone exclusion	8	Alarm memory Z3	8	Chime

ATTENTION

- (1) The general alarm output is activated, if one of the following is active: alarm zone 1...5, zone tamper (tamper zone 1...5).
- (2) The system OK output (Blockschloß) is activated on condition that: all zones are OK (1...5), no zone tamper, no tamper alarm is active.

ADDRESS CLONING

Inserting the jumper W1, it is possible to clone the address of an output extension module. In this way, the output extension module accepts commands for the outputs that correspond to the proper address but does not answer to the control panel. Thus, it is possible to create duplicates of an address in order to control the same outputs from different points of the installation.

ATTENTION

Working with cloned addresses, however, it is not possible to detect tamper alarms (tamper of the board and loss of connection with control panel). Remember that the control panel does not see the cloned module on the serial bus. Thus, it is possible to add cloned modules only if the address interested has already been associated to a module working in the traditional mode.

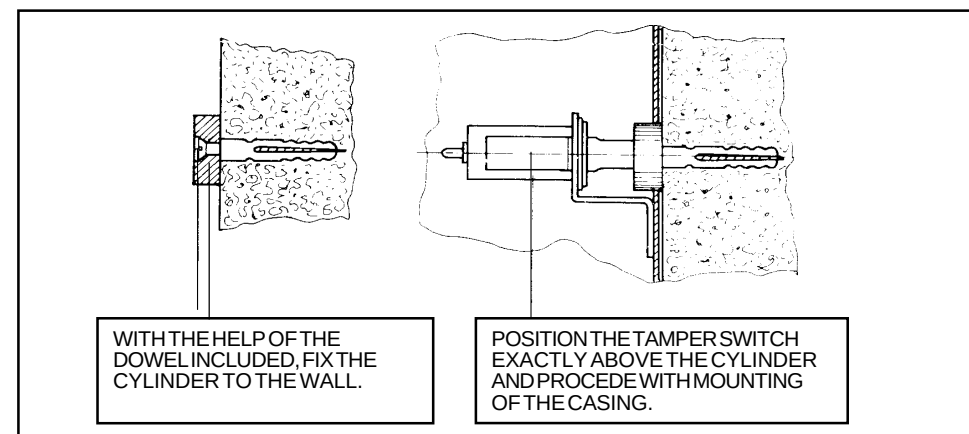
MOUNTING OF THE ANTIDETACHMENT TAMPER

The tamper switches against detachment and opening must always be connected in series to the tamper line of the control panel.

The antidetachment tamper is positioned on the rear of the casing, the anti-opening tamper is positioned behind the cover.

Fix the cylinder holding the spiral spring to the wall using the dowel included.

Position the casing so that the tamper switch is exactly above the cylinder. Fix the casing to the wall using the dowels and screws included.



TP8-64 Status of zones 33 to 64				DIP 1-2-3-4 Address 4			
Output	Description	Output	Description	Output	Description	Output	Description
1	Status zone 33	9	Status zone 41	17	Status zone 49	25	Status zone 57
2	Status zone 34	10	Status zone 42	18	Status zone 50	26	Status zone 58
3	Status zone 35	11	Status zone 43	19	Status zone 51	27	Status zone 59
4	Status zone 36	12	Status zone 44	20	Status zone 52	28	Status zone 60
5	Status zone 37	13	Status zone 45	21	Status zone 53	29	Status zone 61
6	Status zone 38	14	Status zone 46	22	Status zone 54	30	Status zone 62
7	Status zone 39	15	Status zone 47	23	Status zone 55	31	Status zone 63
8	Status zone 40	16	Status zone 48	24	Status zone 56	32	Status zone 64

Zone status

- LED blinking slowly = zone alarm active
- LED blinking quickly = zone open
- LED on = alarm memory
- LED off = zone closed

TP8-64 Alarm/tamper zones 1 to 32				DIP 1-2-3-4 Address 5			
Output	Description	Output	Description	Output	Description	Output	Description
1	Alarm/tamper Z1	9	Alarm/tamper Z9	17	Alarm/tamper Z17	25	Alarm/tamper Z25
2	Alarm/tamper Z2	10	Alarm/tamper Z10	18	Alarm/tamper Z18	26	Alarm/tamper Z26
3	Alarm/tamper Z3	11	Alarm/tamper Z11	19	Alarm/tamper Z19	27	Alarm/tamper Z27
4	Alarm/tamper Z4	12	Alarm/tamper Z12	20	Alarm/tamper Z20	28	Alarm/tamper Z28
5	Alarm/tamper Z5	13	Alarm/tamper Z13	21	Alarm/tamper Z21	29	Alarm/tamper Z29
6	Alarm/tamper Z6	14	Alarm/tamper Z14	22	Alarm/tamper Z22	30	Alarm/tamper Z30
7	Alarm/tamper Z7	15	Alarm/tamper Z15	23	Alarm/tamper Z23	31	Alarm/tamper Z31
8	Alarm/tamper Z8	16	Alarm/tamper Z16	24	Alarm/tamper Z24	32	Alarm/tamper Z32

TP8-64 Alarm/tamper zones 33 to 64				DIP 1-2-3-4 Address 6			
Output	Description	Output	Description	Output	Description	Output	Description
1	Alarm/tamper Z33	9	Alarm/tamper Z41	17	Alarm/tamper Z49	25	Alarm/tamper Z57
2	Alarm/tamper Z34	10	Alarm/tamper Z42	18	Alarm/tamper Z50	26	Alarm/tamper Z58
3	Alarm/tamper Z35	11	Alarm/tamper Z43	19	Alarm/tamper Z51	27	Alarm/tamper Z59
4	Alarm/tamper Z36	12	Alarm/tamper Z44	20	Alarm/tamper Z52	28	Alarm/tamper Z60
5	Alarm/tamper Z37	13	Alarm/tamper Z45	21	Alarm/tamper Z53	29	Alarm/tamper Z61
6	Alarm/tamper Z38	14	Alarm/tamper Z46	22	Alarm/tamper Z54	30	Alarm/tamper Z62
7	Alarm/tamper Z39	15	Alarm/tamper Z47	23	Alarm/tamper Z55	31	Alarm/tamper Z63
8	Alarm/tamper Z40	16	Alarm/tamper Z48	24	Alarm/tamper Z56	32	Alarm/tamper Z64

Zone alarm or tamper

- LED on = alarm active
- LED off = no alarm

Addresses for the control panel DIALOG 128

DIP 6 OFF
DIP 5 OFF Functioning with TP8-64 and DIALOG128

It is possible to configure the module with any address from 0 to 16.
The programming software of the control panel permits the control of the individual outputs.

Addresses for the control panels TP6/R, TP12/R and TP14/R

DIP 6 OFF
DIP 5 ON Functioning with TP6/R, TP12/R and TP14/R

TP6/R - TP12/R - TP14/R				DIP 1-2-3-4 Address 10 (0AH)			
Output	Description	Output	Description	Output	Description	Output	Description
1	Program 1	9	Low battery	17	Alarm zone 1	25	Alarm zone 9
2	Program 2	10	Tamper	18	Alarm zone 2	26	Alarm zone 10
3	Program 3	11	Zone tamper	19	Alarm zone 3	27	Alarm zone 11
4	By-pass	12	False key	20	Alarm zone 4	28	Alarm zone 12
5	Arming	13	Chime	21	Alarm zone 5	29	
6	Cut telephone line	14	Prealarm	22	Alarm zone 6	30	Mobile missing (5)
7	General memory (3)	15	Hold-up	23	Alarm zone 7	31	Antimasking (6)
8	System OK (4)	16	Zone exclusion	24	Alarm zone 8	32	Supervision (7)

TP6/R - TP12/R - TP14/R				DIP 1-2-3-4 Address 12 (0CH)			
Output	Description	Output	Description	Output	Description	Output	Description
1	Alarm zone 1	9	Alarm zone 9	17	Alarm memory Z1	25	Alarm memory Z1
2	Alarm zone 2	10	Alarm zone 10	18	Alarm memory Z2	26	Alarm memory Z2
3	Alarm zone 3	11	Alarm zone 11	19	Alarm memory Z3	27	Alarm memory Z3
4	Alarm zone 4	12	Alarm zone 12	20	Alarm memory Z4	28	Alarm memory Z4
5	Alarm zone 5	13		21	Alarm memory Z5	29	Alarm memory Z5
6	Alarm zone 6	14		22	Alarm memory Z6	30	Alarm memory Z6
7	Alarm zone 7	15		23	Alarm memory Z7	31	Alarm memory Z7
8	Alarm zone 8	16		24	Alarm memory Z8	32	Alarm memory Z8

ATTENTION

- (3) The general memory output is activated if one of the following is active: power failure, false key, zone tamper, tamper, low battery, alarm memory zone (1...n).
- (4) The system OK output is activated on condition that: mains OK, battery OK, no zone tamper, tamper alarm active, all zones OK (1...n).
- (5) The mobile missing output is activated if the TECNOCELL-M detects GSM fault.
- (6) The antimasking output is activated if the radio receiver connected to the control panel detects a jamming signal.
- (7) The supervision output is activated if one of the radio detectors has not transmitted the test signal for more than the time programmed.

Addresses for the control panel TP8-64

DIP 6 OFF
DIP 5 OFF Functioning with TP8-64 and DIALOG128

TP8-64 Status of programs 1 to 8				DIP 1-2-3-4 Address 0			
Output	Description	Output	Description	Output		Output	
1	Status program 1	9	Status program 5	17		25	
2	Alarm program 1	10	Alarm program 5	18		26	
3	Status program 2	11	Status program 6	19		27	
4	Alarm program 2	12	Alarm program 6	20		28	
5	Status program 3	13	Status program 7	21		29	
6	Alarm program 3	14	Alarm program 7	22		30	
7	Status program 4	15	Status program 8	23		31	
8	Alarm program 4	16	Alarm program 8	24		32	

Program status

- LED blinking slowly = program partset (by-pass)
- LED blinking quickly = exit time
- LED on = program armed
- LED off = program disarmed

Program alarm

- LED blinking slowly = program in alarm
- LED blinking quickly = entry time
- LED on = alarm memory
- LED off = program in stand-by

TP8-64 Status of remote control and programs				DIP 1-2-3-4 Address 1			
Output	Description	Output	Description	Output	Description	Output	Description
1	Status remote ctrl 1	9		17	Stand-by program 1	25	Alarm program 1
2	Status remote ctrl 2	10		18	Stand-by program 2	26	Alarm program 2
3	Status remote ctrl 3	11		19	Stand-by program 3	27	Alarm program 3
4	Status remote ctrl 4	12		20	Stand-by program 4	28	Alarm program 4
5	Status remote ctrl 5	13		21	Stand-by program 5	29	Alarm program 5
6	Status remote ctrl 6	14		22	Stand-by program 6	30	Alarm program 6
7	Status remote ctrl 7	15		23	Stand-by program 7	31	Alarm program 7
8	Status remote ctrl 8	16		24	Stand-by program 8	32	Alarm program 8

Remote control status

- LED on = remote control active
- LED off = remote control not active

Program stand-by

- LED on = program in stand-by (disarmed)
- LED off = program armed

Program alarm

- LED on = alarm active
- LED off = no alarm

TP8-64 General alarm			 DIP 1-2-3-4 Address 2
N°	Type	Description	Activated for
1	Status	General stand-by	All programs in stand-by Low battery, power failure, supervision radio section, trouble modules Tamper, zone tamper, module tamper/loss, antimasking radio section, supervision radio section Trouble radio section Hold-up input/code, no confirmation of disarming All technical zones open All outputs in alarm with PGM output programmed False key/code All programs in alarm Mains OK, battery OK, no supervision alarm, no antimasking alarm, zones OK, no tamper alarm, modules OK Hold-up alarm/code, no confirmation of disarming All technical zones open Power failure, low battery, zones in alarm, tamper
2	Status	Fault	
3	Status	General low battery	
4	Status	General power failure	
5	Status	General tamper	
6	Status	Trouble	
7	Status	General hold-up	
8	Status	General technical alarm	
9	Status	General chime	
10	Status	Wired telephone line	
11	Status	General prealarm	
12	Status	General PGM	
13	Status	Access denied	
14	Status	Program alarm	
15	Status	System OK	
16	Status	Mobile phone	At least one element excluded
17	Alarm	General tamper	
18	Alarm	Trouble radio section	
19	Alarm	False code	
20	Alarm	False key	
21	Alarm	Supervision radio section	
22	Alarm	Antimasking radio section	
23	Alarm	General hold-up	
24	Alarm	General technical alarm	
25	Alarm	General alarm memory	
26	Status	Exit time	
27	Status	Maintenance mode	
28	Status	Outgoing call active	
29	Status	End of by-pass warning	
30	Status	Automatic arming warning	
31	Status	General permanent exclusion	
32	Status	Antimasking radio section	

Output status

- LED on = alarm or active
- LED off = no alarm or deactivated

TP8-64 Status of zones 1 to 32				DIP 1-2-3-4 Address 3			
Output	Description	Output	Description	Output	Description	Output	Description
1	Status zone 1	9	Status zone 9	17	Status zone 17	25	Status zone 25
2	Status zone 2	10	Status zone 10	18	Status zone 18	26	Status zone 26
3	Status zone 3	11	Status zone 11	19	Status zone 19	27	Status zone 27
4	Status zone 4	12	Status zone 12	20	Status zone 20	28	Status zone 28
5	Status zone 5	13	Status zone 13	21	Status zone 21	29	Status zone 29
6	Status zone 6	14	Status zone 14	22	Status zone 22	30	Status zone 30
7	Status zone 7	15	Status zone 15	23	Status zone 23	31	Status zone 31
8	Status zone 8	16	Status zone 16	24	Status zone 24	32	Status zone 32