TP8-64

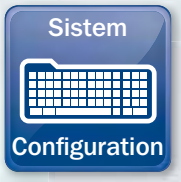
Expandable serial alarm system

The TP8-64 alarm system has been especially designed to offer solutions for the protection of small and medium-sized sites, guaranteeing the highest standards of security.

Tecnoalarm
Hi-Tech Security Systems
design by pininfarina

Tecnoalarm RSC® Technology

The Tecnoalarm systems which are equipped with the RSC® (Remote Sensitivity Control) technology communicate with the monitoring station and transmit specific and detailed information. The Tecnoalarm monitoring station can program and constantly monitor the system from a distance and, using sophisticated diagnostic tools, check the functioning and obtain the necessary information to maintain and improve its performance.

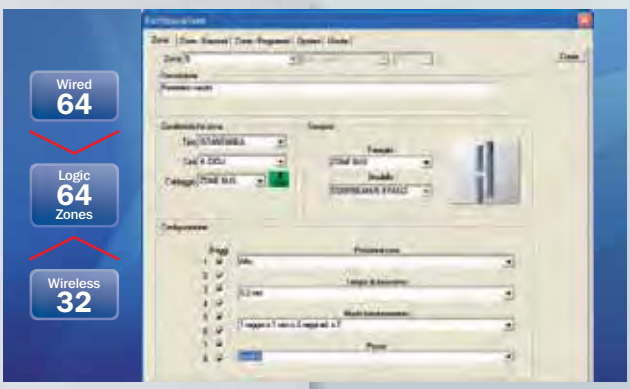


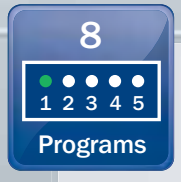
Programming

Programming of the systems' functioning parameters can be made locally or remotely, via telephone line, using the Tecnoalarm software. The software provides numerous programming tools which permit customization of the installation selecting the most appropriate settings among the options available.

Zones

System configuration is entirely modular thanks to the input expansion modules. The 8 hard-wired inputs of the CPU constitute the basic version of the system. They are expandable to a total of 64 zones which can be freely associated to the hard-wired and wireless inputs of the connected hardware (max. 64 hard-wired zones and max. 32 wireless zones).
The zone programming facilities allow to obtain excellent performances even from traditional detectors but the best results are obtained by using the Tecnoalarm RDV and RSC detectors. These detectors permit the verification and analysis of the alarms at the very moment they are released through the specific diagnostic tools of the monitoring software.
In this way, the limitations of traditional remote management have been overcome and a new concept of interaction has been proposed. (RDV® and RSC® are registered trademarks and protected by international patents)



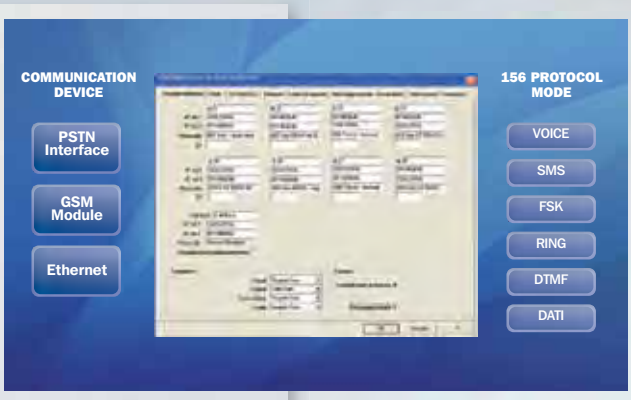


Programs and control units

The TP8-64 system manages 8 programs. A wide range of control units, composed of LCD consoles with voice synthesis, transponders and wireless keys, is able to satisfy any application requirements. The users have access to the system's functions through 64 codes, 32 transponders and 32 wireless keys. Access to the protected areas can be automated and regulated by 8 access periods and 16 timers.

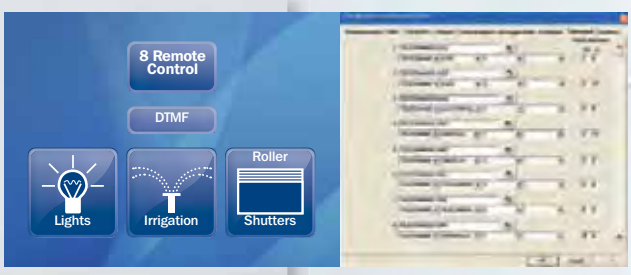
Telephone section

The telephone section provides 8 telephone channels. The TP8-64 system uses the PSTN line and optionally the GSM or Ethernet network through respectively the external GSM communicator TECNOCELL-PRO PL and the PROG NET2 Ethernet interface. The telephone section uses several communication formats: voice calls, SMS, data transmission in FSK, DTMF and TCP/IP formats. The alarm and system status messages are automatically composed by the system using the onboard vocabulary. The TP8-64 system is able to communicate with the user and the central monitoring stations using 156 communication protocols.



Interaction

The TP8-64 system provides 8 remote controls which allow the user to interact with the system through telephone calls. A guided voice menu makes the communication with the system easier and helps the user to execute the commands. The remote controls are customizable and permit the management of the system's functions as well as the interaction with external devices such as heating, air-conditioning, lighting equipment etc.

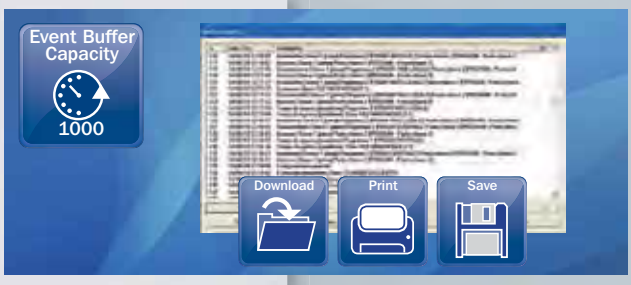


Wireless section

The expansion of the system is possible, even if cable laying is complicated, by the installation of maximum 2 wireless receivers or receiver-transmitters able to manage a total of 32 wireless keys and 32 detectors as well as 4 wireless consoles and 4 sirens (RTX200/433868). The wide range of Tecnoalarm wireless detectors, comprising indoor and outdoor detectors as well as perimeter protections, offers ideal solutions for all protection requirements.

Event log

The event log contains all the events relating to the system's functioning, i.e. the alarms, the diagnostics and the changes of status. A total of 1000 events can be recorded, in reverse chronological order, with indication of date and time. For each event, detailed information is given about the interested zones, programs and remote controls, identified by a number and a description, as well as the telephone calls. The installer can download the event log at any time using the Tecnoalarm software to extract the necessary information to verify the system's smooth functioning.



TP8-64 SYSTEM CONFIGURATION

Tecnoalarm
Hi-Tech Security Systems

14 DEVICES

SPEED ALM8 PLUS
SRA
SRINT
OUT2
OUT1
SIREN BUS

SPEED 8 PLUS
OUT2
OUT1

SPEED 4 PLUS
OUT1

SPEED ALM8 PL
SRA
SRINT
OUT2
OUT1

SPEED 8
OUT2
OUT1

SPEED 4
OUT1

SPEED 8 STD

4 DEVICES
SAEL 2010 BUS

2 DEVICES
RX300/433868
RTX200/433868

ESP8-IN

SRA
SRINT
OUT1+
OUT2-
TECNICA
PGM

TTL PORT

ETHERNET
PROG NET2

32 DEVICES

4 DEVICES

PROG USB

LCD300/S
LCD200
15 DEVICES

SERIAL BUS

1 DEVICE
TECNOCELL-PRO PL

7 DEVICES
SINOTTICO 32N
ESP32-OCN

15 DEVICES
TP SKN
PROX K6N
TP SDN

TECHNICAL SPECIFICATIONS OF SERIAL BUS EXPANSIONS

Input expansions

	SPEED ALM8 PLUS	SPEED 8 PLUS	SPEED 4 PLUS	SPEED ALM8 PL	SPEED 8	SPEED 4	SPEED 8 STD
POWER SUPPLY	1.8A			1.8A			
ZONES	8	8	4 + 4	8	8	4	8
OUTPUTS	4	2	1	4	2	1	
SENSOR BUS	4	2	1				
SIREN BUS	1	1					
RSC	✓	✓	✓				
RDV	✓	✓	✓	✓	✓	✓	
ZONE BUS			✓	✓	✓	✓	
CASING	✓	optional	optional	✓	optional	optional	optional
CODE	F101SPEALM8PLUS	F101SPEED8PLUS	F101SPEED4PLUS	F101SPEEDALM8PL	F101SPEED8	F101SPEED4	F101SPEED8STD

Wireless expansions

	RTX200/433868	RX300/433868
RECEIVER		✓
RECEIVER-TRANSMITTER	✓	
RX FREQUENCY	433MHz/868MHz	433MHz/868MHz
TX FREQUENCY	868 MHz	
CASING	✓	✓
CODE	F102RTX200	F102RX300

GSM

	TECNOCELL-PRO PL
FUNCTION	secondary/backup
VOICE MESSAGES	✓
SMS MESSAGES	✓
PROTOCOLS	✓
BACKUP	✓
CODE	F104TECNOC/PPL

Secondary control units

	TP SDN	PROXK6N	TP SKN
CODES	✓		
TRANSPONDERS		✓	✓
PROGRAMS	4	6	3
SIGNALING LED	7	10	
CODE	F127TPSDN	F127PROXK6N	F127TP-SKN

LCD consoles

	LCD300/S	LCD200
CODES	✓	✓
PROGRAMMING MENU	✓	✓
PROGRAMS	8	8
DISPLAY	2x16 characters	2x16 characters
VOICE SYNTHESIS	✓	
SIGNALING LED	36	21
CODE	F127LCD300S	F127LCD200

Output expansions

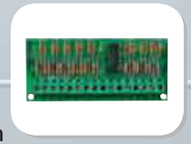
	ESP32-OCN	SINOTTICO 32N
OUTPUTS	32 programmable open-collectors	
SIGNALING LED		32 programmable LED
CASING	optional	
CODE	F127ESP32OCN	F127SINOTTICON

Bus sirens

	SAEL 2010 BUS	SAEL 2010PRO BUS
PROGRAMS	1 to 8	1 to 8
ALARM MODES	16	16
ANTI-FOAM	✓	✓
ANTI-DRILLING		✓
CASING	ABS	aluminum
CODE	F105S2010BUSGR	F105S2010PBUSAL

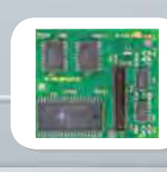
Technical specifications of internal expansions

Internal input expansion



	ESP8-IN
ZONES	8
CODE	F127TP864ESP

Voice synthesis module



	VOCABOLARIO
CODE	F127TP864VOC

TECHNICAL AND FUNCTIONAL SPECIFICATIONS

ZONES	Total zones	64
	CPU hard-wired zones	8
	Total hard-wired zones	64
	Total wireless zones	32
OUTPUTS	CPU outputs	4 + 2 programmable
	Logic siren outputs	1
INTERNAL EXPANSIONS	Hard-wired input expansion	ESP8-IN
	Voice synthesis module	VOCABOLARIO
SYSTEM FEATURES	RS485 serial bus	1
	Voice synthesis module	optional
	(included for TP8-64/V and TP8-64/V MET)	
	Event buffer capacity	1000
PROGRAMS ACCESS MANAGEMENT	Programs	8
	Access codes	62
	Transponders	32
	Wireless keys	32
AUTOMATION	Timers	16
	Access periods	8
	Calendar years	2
	Remote controls	8
	Test call	✓
	Server test call	✓
TELEPHONE SECTION	Channels	8
	Primary vector	PSTN
	Secondary vector (optional)	external GSM
	Secondary vector (optional)	Ethernet
	Transmittable events	198
	Telephone number length	16 digits
	Call event queue	16
	Communication protocols	156

SERIAL BUS EXPANSIONS	Hard-wired input expansions	14
	Wireless expansions	2
	Consoles	15
	Secondary control units	15
	Output expansions	7
	GSM telephone communicator	1
	Bus sirens	4
	Wireless sirens	4
	Wireless consoles	4
ELECTRICAL SPECIFICATIONS TP8-64	Operating voltage	230V AC +/-10% 50Hz
	CPU board consumption	100mA @ 13.8V DC
	Power supply	2A @ 14.8V DC
	Battery	12V/7Ah
PHYSICAL SPECIFICATIONS TP8-64	Casing	ABS
	Dimensions (L x H x D)	300 x 390 x 111mm
	Weight (without battery)	3.6kg
ELECTRICAL SPECIFICATIONS TP8-64 MET	Operating voltage	230V AC +/-10% 50Hz
	CPU board consumption	100mA @ 13.8V DC
	Power supply	3A @ 14.8V DC
	Battery	12V/17Ah
PHYSICAL SPECIFICATIONS TP8-64 MET	Casing	Metal
	Dimensions (L x H x D)	455 x 367 x 112mm
	Weight (without battery)	7kg
CONFORMITY	R&TTE 1999/05/EC	

CONTROL PANEL VERSIONS

		Language Vocabulary	Power Supply	ABS Box	METAL Box
TP8-64	For the item numbers please contact the reseller		2A	✓	
TP8-64 MET		✓	2A	✓	
TP8-64/V			3A		✓
TP8-64/V MET		✓	3A		✓

All specifications listed in this brochure are subject to change without notice.

Tecnoalarm
HI-TECHNOLOGY & DESIGN
WORLDWIDE FROM ITALY

CSQ

CERTIFIED IQNet MANAGEMENT SYSTEM

CE

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