

TP8-28 - TP8-28 GSM

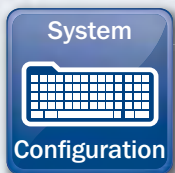
Expandable serial alarm systems



The TP8-28 and TP8-28 GSM systems implement the Tecnalarm RSC technology right from the basic versions. The advantages and the performance offered by the RSC technology are now available to realize even small-sized installations with a high level of technology.

Tecnalarm
Hi-Tech Security Systems
design by *pininfarina*

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, verify the smooth functioning and obtain the necessary information to maintain and improve its performance.



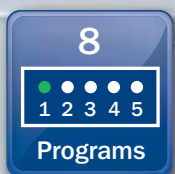
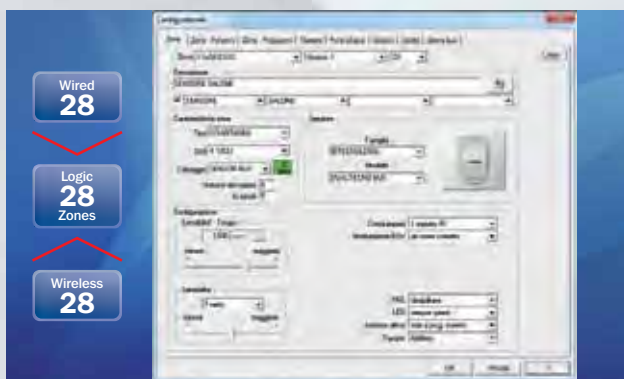
Programming

Programming of the system's 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 among the options available.



Zones

System configuration is entirely modular thanks to the input expansion modules. The 2 conventional and the 6 bus inputs of the CPU constitute the basic version of the system. They are expandable to a total of 28 zones which can be freely associated to the hard-wired (conventional or bus) or wireless inputs of the connected hardware. 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

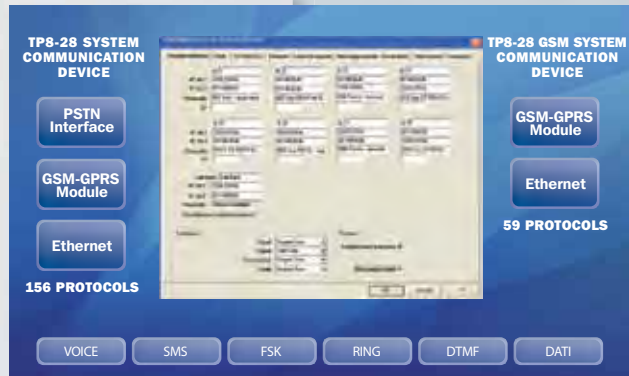
The TP8-28 and TP8-28 GSM systems manage 8 programs. A wide range of control units is able to satisfy any application requirements. The range comprises the LCD300/S console with voice synthesis, the new LCDPROX1 console with graphic display and transponder reader, RFID card and finger print readers as well as the exclusive TSP7000 STD consoles with 7 inches touch screen and, for the STD-BIO version, with biometric finger print reader. The users have access to the system's functions through 120 codes, 100 transponders/RFID cards, 80 wireless keys and 100 finger prints. Access to the protected areas can be automated and regulated by 4 access periods and 6 timers.





Telephone section

The telephone section provides 8 telephone channels. The TP8-28 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 TP8-28 GSM system uses the GSM network through the integrated GSM/GPRS interface or the external GSM communicator TECNOCELL PRO-PL and optionally the Ethernet network through the PROG NET2 Ethernet interface. According to the system, TP8-28 or TP8-28 GSM and the vector, the telephone section uses several communication formats: voice calls, SMS or 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 TP8-28 and TP8-28 GSM systems communicate with the user and the central monitoring stations using respectively 156 and 59 communication protocols.



Interaction

The TP8-28 and TP8-28 GSM systems provide 8 remote controls which allow the user to interact with the systems through telephone calls or SMS messages. 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.



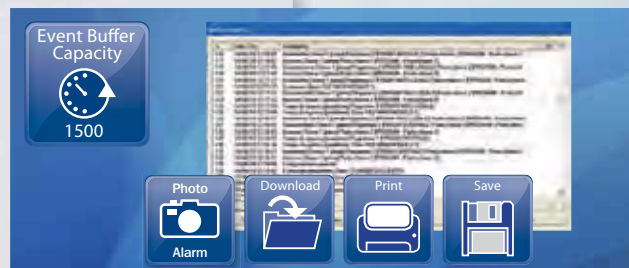
Wireless section

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 80 wireless keys, 28 wireless detectors as well as, respectively, 2 wireless consoles and sirens. The wireless communication, i.e. the transmissions of the alarm signal and the automatic test signal (supervision), is constantly verified and analyzed and the detected interferences, transformed into a graph, can be consulted, locally or remotely, using the RF Monitor diagnostic tool of the Tecnoalarm software. The wide range of Tecnoalarm wireless detectors, comprising indoor and outdoor detectors as well as perimeter protections, offers ideal solutions for all protection requirements.



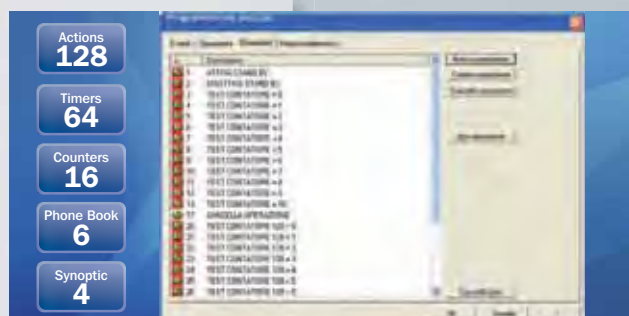
Event log

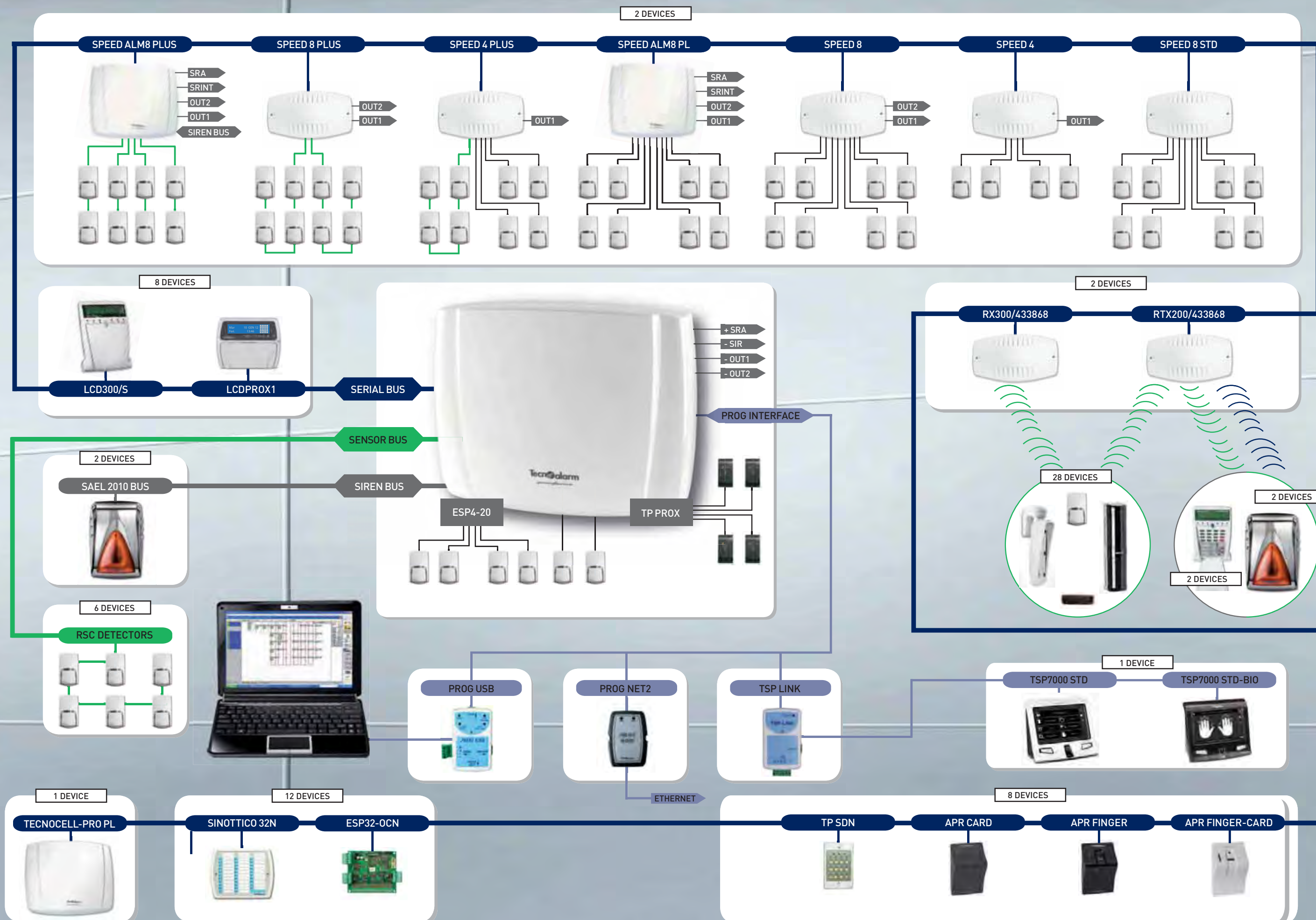
The event log contains all the events relating to the system's functioning, i.e. the alarms, the diagnostics and the changes of status. A total of 1500 events can be recorded, in reverse chronological order, with indication of date and time. For each event, detailed information is given about the interested zones, programs and remote controls, identified by a number and a description, as well as the telephone calls. For each alarm detected by the RSC detectors a graph showing the detector's functioning at the moment of alarm release is also stored. The installer can download the event log at any time using the Tecnoalarm software and extract the necessary information to verify the system's smooth functioning.



Advanced programming

The advanced programming tool is a software expansion of the programming facilities of the TP8-28 and TP8-28 GSM systems permitting a large extent of customization extending the system's resources and integrating home automation functions. It allows to offer functional solutions to particular application requirements making cost-expensive external devices redundant and implementing the PLC (programmable logic controller) programming logic. The conventional functionality of the inputs, outputs, channels, remote controls etc. is redefined through a series of actions, associated to the events. The actions can be linked and scheduled by timers and counters.





TECHNICAL SPECIFICATIONS OF 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 BUS	8 BUS	4 + 4 BUS	8	8	4	8
OUTPUTS	4	2	1	4	2	1	
SENSOR BUS	4	2	1				
SIREN BUS	1						
REC	✓	✓	✓				
RD	✓	✓	✓	✓	✓	✓	
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	868MHz	
CASING	✓	✓
CODE	F102RTX200	F102RX300

GSM



	TECNOCELL-PRO PL
FUNCTION	secondary/backup
VOICE MESSAGES	✓
SMS MESSAGES	✓
PROTOCOLS	✓
BACKUP	✓
CODE	F104TECNOCELL

Touch screen consoles



	TSP7000 STD	TSP7000 STD-BIO
FINGER PRINTS		✓
MEMORY		local (100 finger prints)
CODES	✓	✓
PROGRAMS	8	8
VOICE SYNTHESIS	✓	✓
LCD 7"	65,000 colors - touch screen - 800x480dpi	
ETHERNET PORT	✓	✓
USB PORT	✓	✓
RS422 SERIAL PORT	✓	✓
CODE	F210TSP7000ST	F210TSP7000STBI

N.B. Connection with the control panel through TSP LINK

LCD consoles



	LCD300/S	LCDPROX1
CODES	✓	✓
TRANSPONDERS		✓
PROGRAMS	8	8
DISPLAY	2x16 characters	graphic
VOICE SYNTHESIS	✓	
SIGNALING LED	36	23
CODE	F127LCD300S	F127LCDPROX1

Output expansions



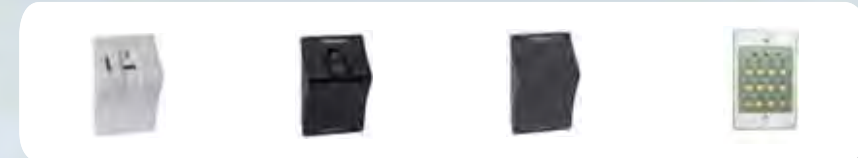
	ESP32-OCN	SINOTTICO 32N
OUTPUTS	32 programmable open collectors	
SIGNALING LED		32 programmable LED
CASING	optional	✓
CODE	F127ESP32OCN	F127SINOTTICON

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	F105S2010BUSBI	F105S2010PROBUS

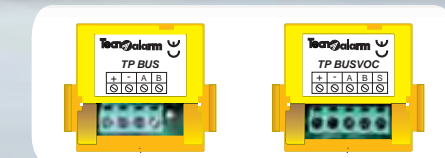
Secondary control units



	APR FINGER-CARD	APR FINGER	APR CARD	TP SDN
FINGER PRINTS	✓	✓		
RFID CARDS	✓		✓	
CODES				✓
PROGRAMS	3	3	3	4
SIGNALING LED	4	4	4	7
MEMORY	local (100 finger prints)	local (100 finger prints)		
CODE	F103APRFINGCARD	F103APRFING	F103APRCARD	F127TPSDN

Technical specifications of internal expansions

Additional modules



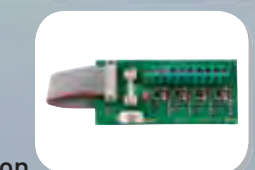
	TP BUS	TP BUSVOC
COMPATIBILITY	For TP8-28 and TP8-28 EN only	
FUNCTION	serial bus	serial bus
VOICE SYNTHESIS		✓
CODE	F127TPBUS	F127TPBUSVOC

Additional modules



	TP PROX	TP OUT60C	TP OUTREL
COMPATIBILITY	All versions		
FUNCTION	Transponder interface	Output expansion 6 open collectors	Relay module 1 relay
CODE	F127TPPROX	F127TPOUT60C	F127TPOUTREL

Internal input expansion



	ESP4-20
ZONES	4
RD	✓
ZONE BUS	✓
CODE	F127TP420ESP

TECHNICAL AND FUNCTIONAL SPECIFICATIONS

ZONES	Total logic zones	28	TELEPHONE SECTION TP8-28 GSM	Channels	8
	CPU hard-wired zones	2 conventional + 6 bus		Primary vector	GSM
	Total hard-wired zones	28		Secondary vector (optional)	External GSM
	Total wireless zones	28		Secondary vector (optional)	Ethernet
OUTPUTS	CPU outputs	2 + 2 programmable	SERIAL BUS EXPANSIONS	Transmittable events	128
	Logic siren outputs	4		Telephone number length	24 digits
SYSTEM FEATURES	RS485 serial bus	According to version		Call event queue	32
	Voice synthesis	According to version		Communication protocols	59
	Event buffer capacity	1500	ADVANCED PROGRAMMING	Hard-wired input expansions	2
	Printer management	✓		Wireless expansions	2
PROGRAMS ACCESS MANAGEMENT	Programs	8		Consoles	8
	Access codes	120		Secondary control units	8
	Finger prints	100	Output expansions	12	
	Transponders/RFID	100	GSM telephone communicator	1	
	Wireless keys	80	Bus sirens	2	
AUTOMATION	Timers	6	Wireless sirens	2	
	Access periods	4	Wireless consoles	2	
	Calendar years	2	ELECTRICAL SPECIFICATIONS	Actions	128
	Remote controls	8		Timers	64
	Test call			Counters	16
	Server test call	✓		Telephone directory	6
TELEPHONE SECTION TP8-28	Channels	8	Reserved output expansions	4	
	Primary vector	PSTN	PHYSICAL SPECIFICATIONS	Casing	ABS
	Secondary vector (optional)	External GSM		Dimensions (L x H x D)	350 x 285 x 93mm
	Secondary vector (optional)	Ethernet		Weight (without battery) TP8-28 (2.7kg) - TP8-28 GSM (2.8kg)	
	Transmittable events	128		Operating voltage	230V AC +/- 10% 50Hz
	Telephone number length	24 digits	CPU board consumption TP8-28	150mA @ 13.8V DC	
	Call event queue	32	CPU board consumption TP8-28 GSM	220mA @ 13.8V DC	
	Communication protocols	156	Power supply	2A @ 14.8V DC	
		Battery	12V/7Ah		

CONTROL PANEL VERSIONS



TP8-28	For the item numbers please contact the reseller	Grade 2	Optional	Optional	✓	Optional	2A	✓	
TP8-28 EN			Optional	Optional	✓		Optional	2A	✓
TP8-28 GSM/V			✓		✓		Optional	2A	✓
TP8-28 GSM/V EN			✓	Grade 2			✓	Optional	2A

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



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