

TP16-256

Expandable serial alarm system



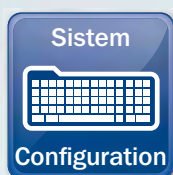
Videalarm
designed by *pininfarina*

The TP16-256 system represents Tecnoalarm philosophy as it is an extremely versatile and expandable system which offers solutions for any kind of application in both medium- and large-sized installations. Its functional completeness permits the creation of systems able to satisfy any projective requirement guaranteeing the highest standards of protection and security.

Tecnoalarm
Hi-Tech Security Systems
design by *pininfarina*

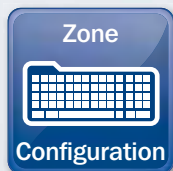
The system offers extremely high performance and functionality levels thanks to Remote Sensitivity Control  technology. It communicates with the monitoring station through a multitude of communication vectors, using proprietary protocols and transmitting specific and detailed information.

The monitoring station can program and constantly monitor the system from a distance and, with the help of sophisticated diagnostic tools, check the functioning and obtain the necessary information to maintain and improve its performance.



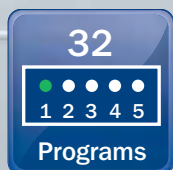
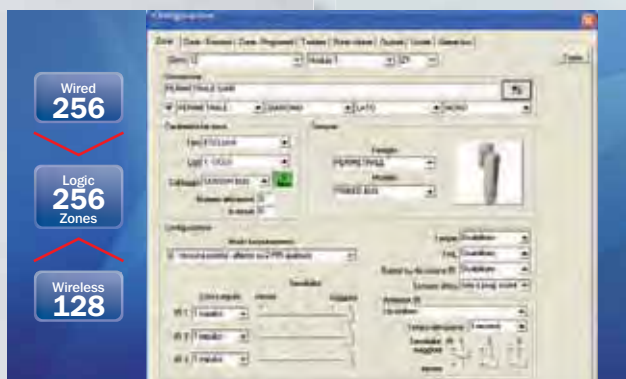
Programming

Parameterization of the TP16-256 system can be made locally or from a distance, via telephone line using the Tecnoalarm programming software. The highly performing programming software and the system's extensive programming facilities permit an extremely high level of customization.



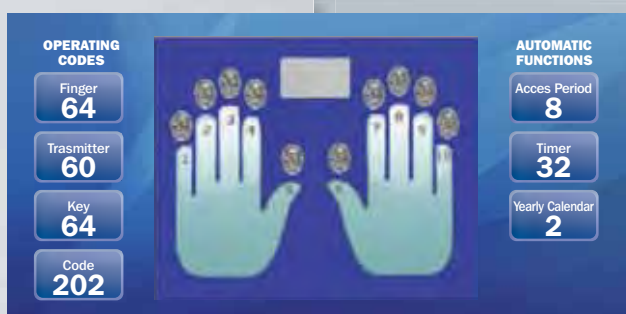
Zones

System configuration is entirely modular thanks to a complete range of input expansions. The 16 hard-wired inputs of the CPU constitute the basic version of the system. These are expandable to a total of 256 zones which can be freely associated to the hard-wired and wireless inputs of the connected hardware (max. 256 hard-wired zones and max. 128 wireless zones). The extensive zone programming facilities allow to obtain high performances even from traditional detectors, but it is only by the use of RDV and RSC detectors that the system taps the full potential and reaches maximum levels of performance. These detectors permit checking, verifying and analyzing of the alarms through specific diagnostic windows at the very moment they occur. The traditional threshold towards telemaintenance has been overstepped and a new concept of interaction has been proposed. (RDV® and RSC® are registered trademarks and protected by international patent)



Programs and control units

The TP16-256 system controls 32 arming programs. A huge range of control units, among these LCD consoles with voice synthesis, transponders, wireless keys, RFID cards and biometric finger print readers, is able to meet any kind of requirement. Outstanding is the exclusive TSP7000 video console with a 7 inches touch screen and biometric finger print reader. The system can manage access to the functionalities through user-specific access levels by means of 202 codes, 64 transponders or RFID cards, 60 wireless keys, 64 finger prints. Access to the protected area can be automated and scheduled by 8 access periods and 32 timers.



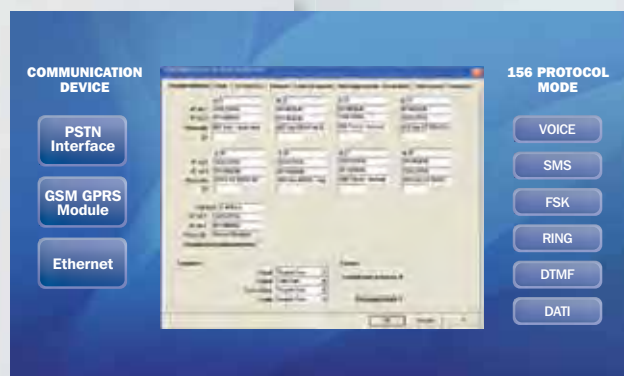
Integrated video surveillance

Using the optional TSP LINK interface, the TP16-256 alarm system permits the integration of the Videoalarm video surveillance system. The synergy of both systems offers significant functional advantages, which would not be obtainable from traditional video surveillance systems. The integration guarantees the complete interaction. The link between both systems is the TSP7000 video console which manages the duplex operation easily and efficiently.



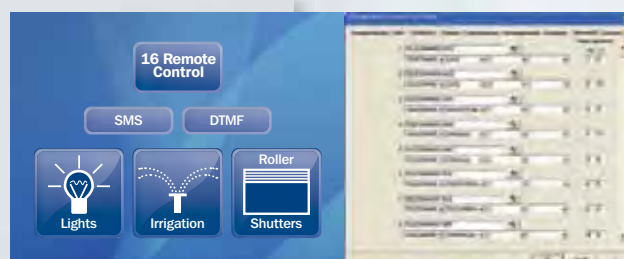
Telephone section

The sophisticated telephone section provides 8 channels which are compatible with the three major vectors: PSTN, GSM/GPRS (using an external GSM telephone communicator) and Ethernet (using the PROG NET2 interface). The telephone section implements all the major communication protocols, i.e. speech, SMS, FSK, DTMF and TCP/IP. The voice messages are composed automatically by the system. Using the onboard vocabulary, it is in fact possible to send precise and detailed alarm messages with indication of the interested zones. The system is able to communicate with third-party central monitoring stations using 156 proprietary protocols.



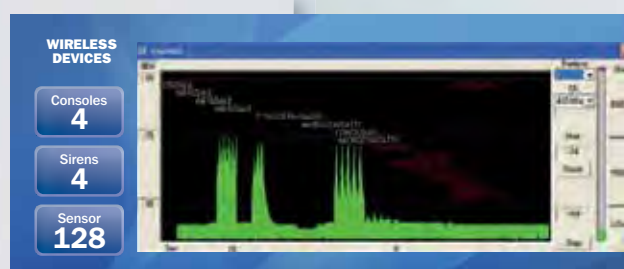
Interaction

The TP16-256 system provides 8 remote controls permitting the user to interact with the system at any time through telephone calls or SMS messages. The remote controls are customizable and allow to interrogate and manage system functions as well as external devices such as heating, air-conditioning or lighting systems.



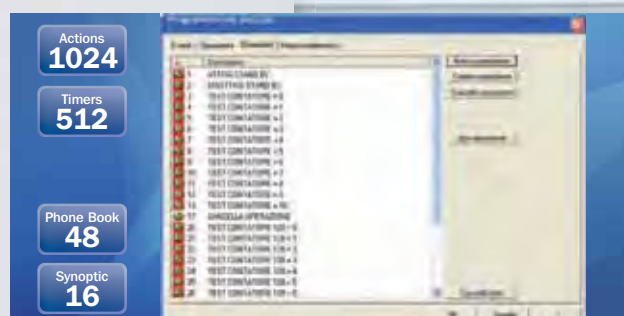
Wireless section

The wireless expansion of the system is possible by the installation of up to 2 wireless receiver-transmitters managing a total of 60 wireless keys, 128 detectors, 4 consoles and 4 sirens. The wide range of Tecnoalarm wireless detectors, composed of indoor and outdoor motion detectors as well as perimeter protections, offers the right solution for any kind of protection requirements.

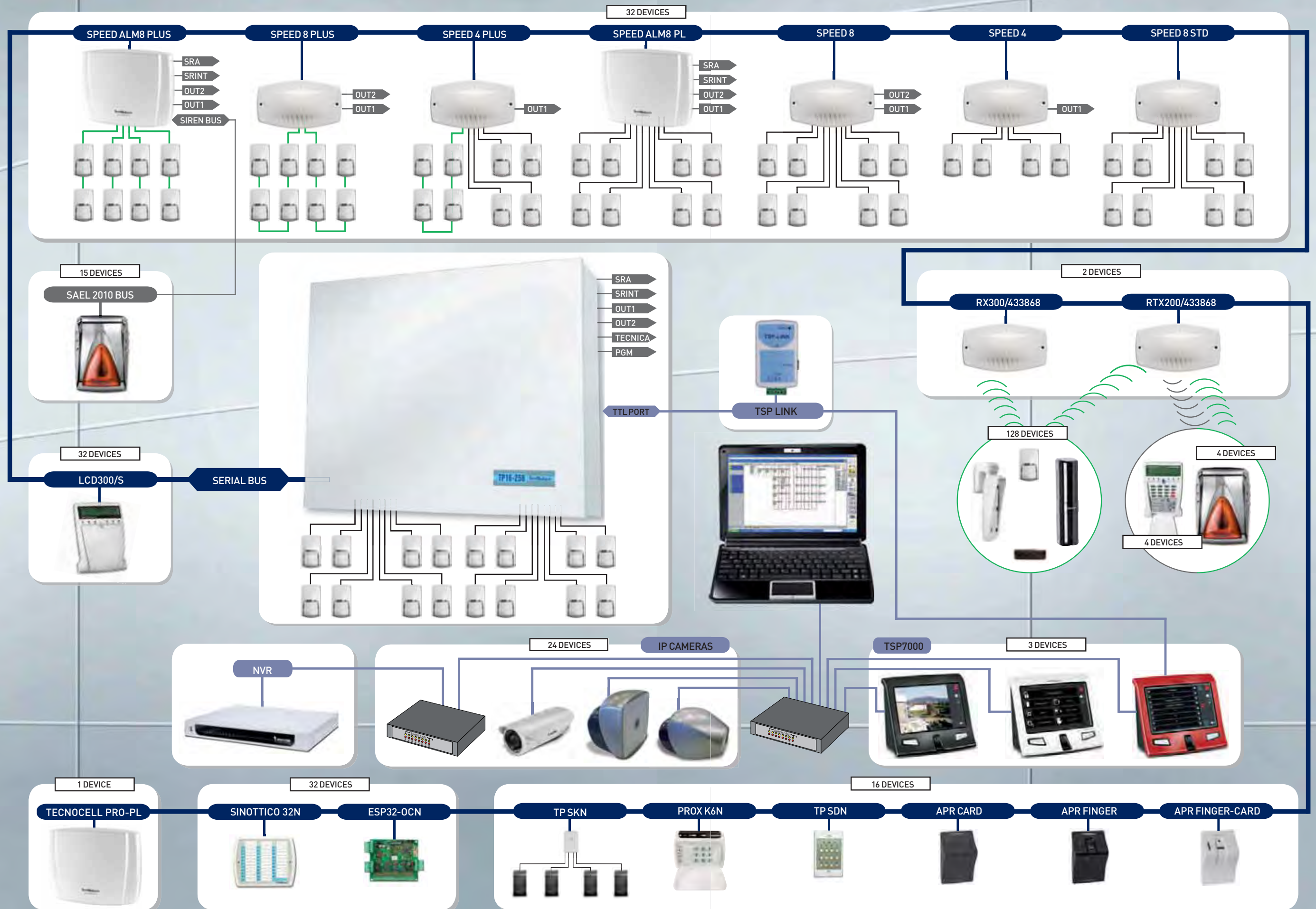


Advanced programming

The advanced programming tool is a software expansion of the programming facilities of the TP16-256 system 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.



TP16-256 SYSTEM CONFIGURATION



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						
RS485	✓	✓	✓				
RF	✓	✓	✓	✓	✓	✓	
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

Video
consoles



	TSP7000 TV-BIO	TSP7000	TSP7000 STD-BIO
FINGER PRINTS	✓		✓
MEMORY	local (64 finger prints)		local (64 finger prints)
CODES	✓	✓	✓
PROGRAMS	32	32	32
VOICE SYNTHESIS	✓	✓	✓
SCREEN	7" LCD – 65,000 colors – touch screen – 800x480dpi		
VIDEO STREAMING	✓	✓	
COMPRESSION	MPEG-4SP	MPEG-4SP	
PHOTO MEMORY	local	local	
ETHERNET PORT	✓	✓	✓
USB PORT	✓	✓	✓
RS422 SERIAL PORT	✓	✓	✓
TV OUTPUT	✓		
CODE	F210TSP7000BITV	F210TSP7000	F210TSP7000STBI

Secondary
control units



	APR FINGER-CARD	APR FINGER	APR CARD	TP SDN	PROX K6N	TP SKN
FINGER PRINTS	✓	✓				
RFID CARDS	✓		✓			
CODES				✓		
TRANSPONDERS					✓	✓
PROGRAMS	3	3	3	4	6	3
SIGNALING LED	4	4	4	7	10	
MEMORY	local (64 finger prints)	local (64 finger prints)				
CODE	F103APRFINGCARD	F103APRFING	F103APRCARD	F127TPSDN	F127PROXK6N	F127TP-SKN

LCD
console



	LCD300/S
CODES	✓
PROGRAMS	32
DISPLAY	2x16 characters
VOICE SYNTHESIS	✓
SIGNALING LED	36
CODE	F127LCD300S

Output
expansions



	ESP32-OCN	SINOTTICO 32N
OUTPUTS	32 programmable open-collectors	
SIGNALING LED		32 programmable LED
CASING	optional	✓
CODE	F127ESP320CN	F127SINOTTICON

GSM



	TECNOCELL-PRO PL
FUNCTION	secondary/backup
VOICE MESSAGES	✓
SMS MESSAGES	✓
PROTOCOLS	✓
BACKUP	✓
CODE	F104TECNO/PPL

Sirens

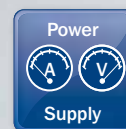
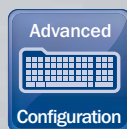
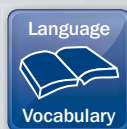


	SAEL 2010 BUS	SAEL 2010PRO BUS
PROGRAMS	1 to 32	1 to 32
ALARM MODES	16	16
ANTI-FOAM	✓	✓
ANTI-DRILLING		✓
CASING	ABS	aluminum
CODE	F105S2010BUSBI	F105S2010PROBUS

TECHNICAL AND FUNCTIONAL SPECIFICATIONS

ZONES	Total logic zones	256	SERIAL BUS EXPANSIONS	Hard-wired input expansions	32
	CPU hard-wired zones	16		Wireless expansions	2
	Total hard-wired zones	256		Consoles	32
	Total wireless zones	128		Secondary control units	16
OUTPUTS	CPU programmable outputs	3	VIDEOALARM EXPANSIONS	Output expansions	32
	CPU relay outputs	1		GSM telephone communicator	1
	Logic siren outputs	32		Bus sirens	15
SYSTEM FEATURES	RS485 serial bus	1		Wireless sirens	4
	Voice synthesis	✓	ADVANCED PROGRAMMING	Wireless consoles	4
	On board vocabulary	✓		Video consoles	3
	Event buffer capacity	3000		IP cameras	24
PROGRAMS ACCESS MANAGEMENT	Programs	32	ACCESSORY MANAGEMENT	NVR	✓
	Access codes	202		PC	✓
	Finger prints	64		Actions	1024
	Transponders/RFID	64		Timers	512
	Wireless keys	60	ELECTRICAL SPECIFICATIONS	Telephone directory	48
AUTOMATION	Timers	32		Reserved output expansions	16
	Access periods	8	PHYSICAL SPECIFICATIONS	TECNO OUT management	Optional
	Calendar years	2		Printer management	✓
	Scheduled messages	3		Operating voltage	230V AC +/- 10% 50Hz
	Remote controls	16		CPU board consumption	150mA @13.8V DC
	Test call	✓	CONFORMITY	Power supply	3A @ 14.8V DC
	Server test call	✓		Battery	12V/17Ah
TELEPHONE SECTION	Channels	8		Casing	Metal
	Primary vector	PSTN		Dimensions (L x H x D)	450 x 360 x 105mm
	Secondary vector (optional)	External GSM		Weight (without battery)	7kg
	Secondary vector (optional)	Ethernet		R&TTE 1999/05/EC	
	Transmittable events	727			
	Telephone number length	16 digits			
	Call event queue	32			
	Communication protocols	156			

CONTROL PANEL VERSIONS



TP16-256

For the item numbers please contact the reseller



3A



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



Tecnalarm

Via Ciriè, 38 - 10099 San Mauro T.se - Torino (Italy)
tel. +390112235410 - fax +390112735590
tecnalarm@tecnalarm.com
www.tecnalarm.com

Tecnalarm FRANCE

495, Rue Antoine Pinay - 69740 Genas - Lyon (France)
tél. +33478406525 - fax +33478406746
tecnalarm.france@tecnalarm.com - www.tecnalarm.com
Agence de Paris: 125, Rue Louis Roche - 92230 Gennevilliers

Tecnalarm ESPAÑA

c/Vapor 18 [Pol. Ind. El Regas]
08850 Gavà - Barcelona (España)
tel. +34936622417
tecnalarm@tecnalarm.es - www.tecnalarm.es