

TP8-64 BUS

Expandable serial alarm system

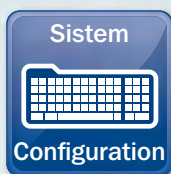


Videalarm
designed by *pininfarina*

The TP8-64 BUS system 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.

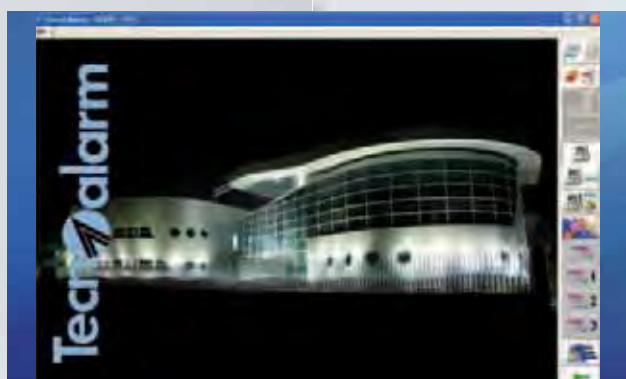
Tecnoalarm
Hi-Tech Security Systems
design by *pininfarina*

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.



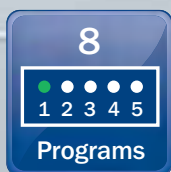
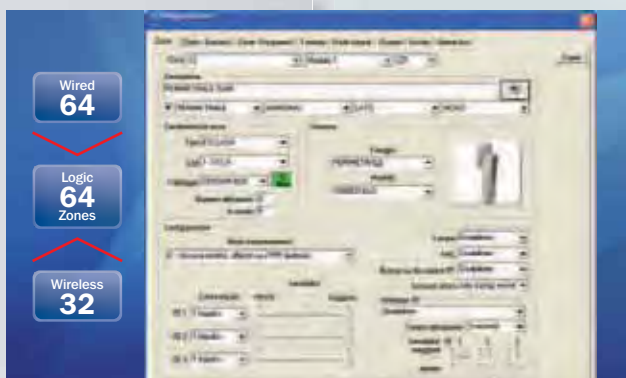
Programming

Parameterization of the TP8-64 BUS 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 8 SENSOR BUS inputs of the CPU constitute the basic version of the system. These 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 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 TP8-64 BUS system controls 8 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 64 codes, 32 transponders or RFID cards, 32 wireless keys, 32 finger prints. Access to the protected area can be automated and scheduled by 8 access periods and 16 timers.





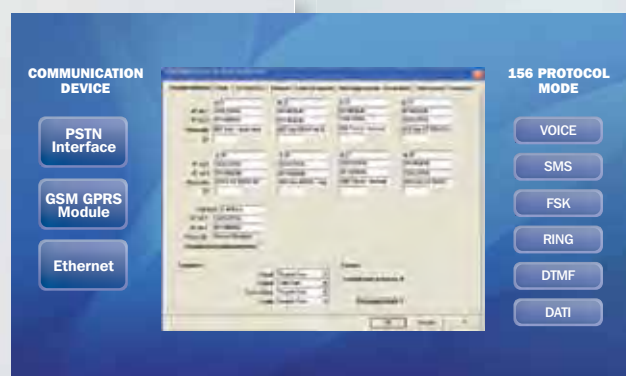
Integrated video surveillance

Using the optional TSP LINK interface, the TP8-64 BUS alarm system permits the integration of the Videalarm 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.



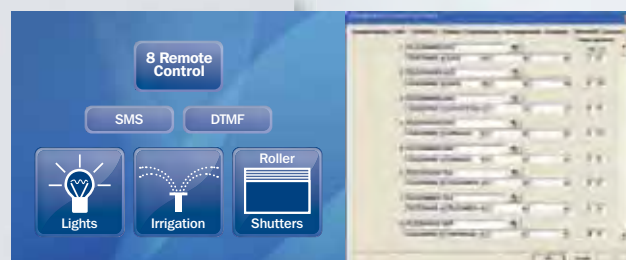
Telephone section

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.



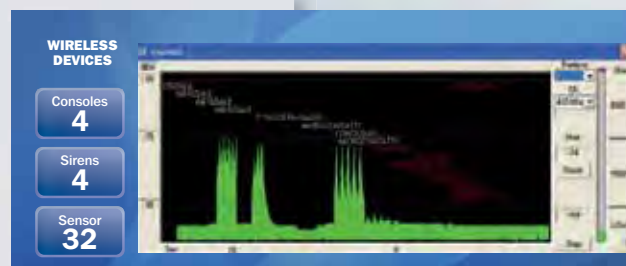
Interaction

The TP8-64 BUS 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.



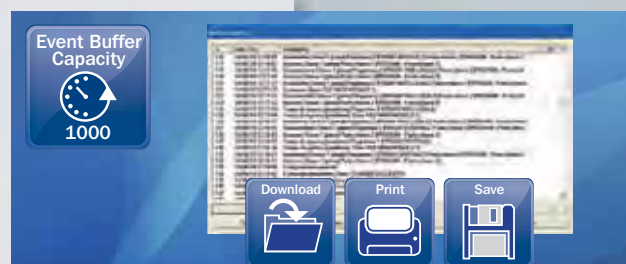
Wireless section

The wireless expansion of the system is possible by the installation of up to 2 wireless receiver-transmitters managing a total of 32 wireless keys, 32 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.

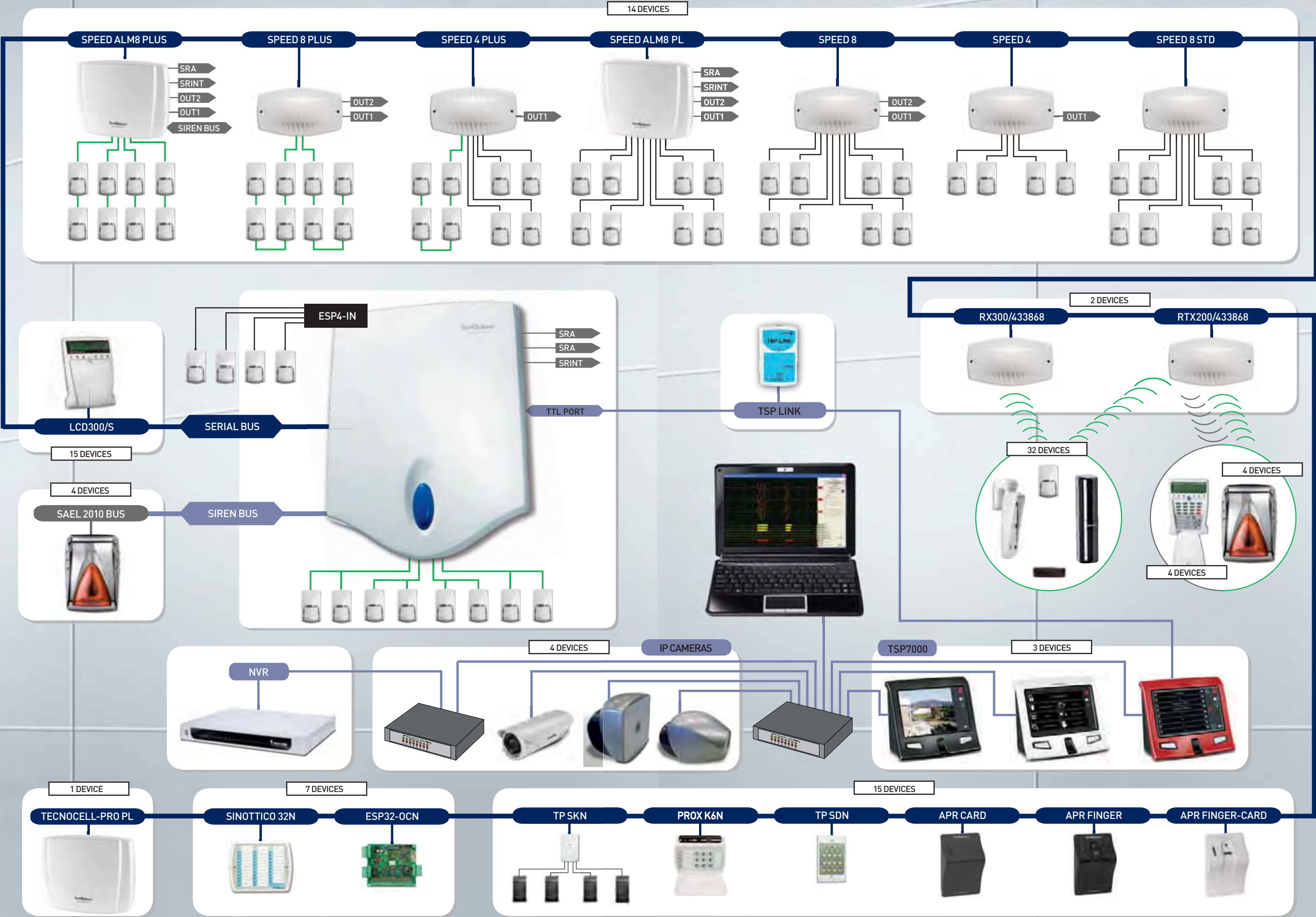


Event log

The log contains the events relating to system functioning, i.e. the alarms, the diagnostics and the changes in state. A maximum of 1,000 events are recorded in reverse chronological order, with indication of date and time, in a non-volatile memory. For each event precise information is supplied and the relating zones, programs, remote controls, phone calls are easily identified by a number and/or a description. The Tecnoalarm monitoring station can interrogate the event log at any time and obtain the necessary information to check the system's functioning status.



TP8-64 BUS 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						
RSC	✓	✓	✓				
RDP	✓	✓	✓	✓	✓	✓	
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 (32 finger prints)		local (32 finger prints)
CODES	✓	✓	✓
PROGRAMS	8	8	8
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 (32 finger prints)	local (32 finger prints)				
CODE	F103APRFINGCARD	F103APRFING	F103APRCARD	F127TPSDN	F127PROXK6N	F127TP-SKN

LCD
console



	LCD300/S
CODES	✓
PROGRAMS	8
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	F127ESP32OCN	F127SINOTTICON

GSM



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

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

TECHNICAL AND FUNCTIONAL SPECIFICATIONS

ZONES	Total logic zones	64	SERIAL BUS EXPANSIONS	Hard-wired input expansions	14
	CPU hard-wired zones	8		Wireless expansions	2
	Total hard-wired zones	64		Consoles	15
	Total wireless zones	32		Secondary control units	15
OUTPUTS	CPU programmable outputs	2		Output expansions	7
	Logic siren outputs	1		GSM telephone communicator	1
INPUT EXPANSION	Internal input expansion	ESP4-IN		Bus sirens	4
				Wireless sirens	4
SYSTEM FEATURES	RS485 serial bus	2		Wireless consoles	4
	Voice synthesis	✓	VIDEOALARM EXPANSIONS	Video consoles	3
	On board vocabulary	✓		IP cameras	24
	Event buffer capacity	1000		NVR	✓
PROGRAMS ACCESS MANAGEMENT	Programs	8	ACCESSORY MANAGEMENT	PC	✓
	Access codes	64		TECNO OUT management	Optional
	Finger prints	32	ELECTRICAL SPECIFICATIONS TP8-64 BUS	Printer management	✓
	Transponders/RFID	32		Operating voltage	230V AC +/- 10% 50Hz
	Wireless keys	32		CPU board consumption	100mA @ 13.8V DC
AUTOMATION	Timers	16	PHYSICAL SPECIFICATIONS TP8-64 BUS	Power supply	2A @ 14.8V DC
	Access periods	8		Battery	12V/7Ah
	Calendar years	2	ELECTRICAL SPECIFICATIONS TP8-64 BUS MET	Casing	ABS
	Remote controls	8		Dimensions (L x H x D)	300 x 390 x 100mm
	Test call	✓		Weight (without battery)	3.6kg
	Server test call	✓		Operating voltage	230V AC +/- 10% 50Hz
TELEPHONE SECTION	Channels	8	PHYSICAL SPECIFICATIONS TP8-64 BUS MET	CPU board consumption	100mA @ 13.8V DC
	Primary vector	PSTN		Power supply	3A @ 14.8V DC
	Secondary vector (optional)	external GSM	CONFORMITY	Battery	12V/17Ah
	Secondary vector (optional)	Ethernet		Casing	Metal
	Transmittable events	198		Dimensions (L x H x D)	455 x 365 x 110mm
	Telephone number length	16 digits		Weight (without battery)	7kg
	Call event queue	16		R&TTE 1999/05/EC	
	Communication protocols	156			

CONTROL PANEL VERSIONS		Language Vocabulary	TECNO OUT	Power Supply	ABS Box	METAL Box
TP8-64 BUS	For the item numbers please contact the reseller	✓	✓	2A	✓	
TP8-64 BUS MET		✓		3A		✓

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



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