

Serial control panel Expandable from 20 to 40 zones Remote programming and management



TP20-440

INPUTS	CPU	ESP 4IN	SPEED 8 STD	SPEED 4	SPEED 4-140C	SPEED 8	SPEED ALM8 PL	SPEED 4 PLUS	SPEED 8 PLUS	SPEED ALM8 PLUS	SPEED 4-8 P3A
CONVENTIONAL*	12	4	8	4	4	8	8	4	-	-	4**
ZONE BUS	-		-	-	-	-	-	-	-	-	-
SENSOR BUS	8	-	-	-	-	-	-	4	8	8	8

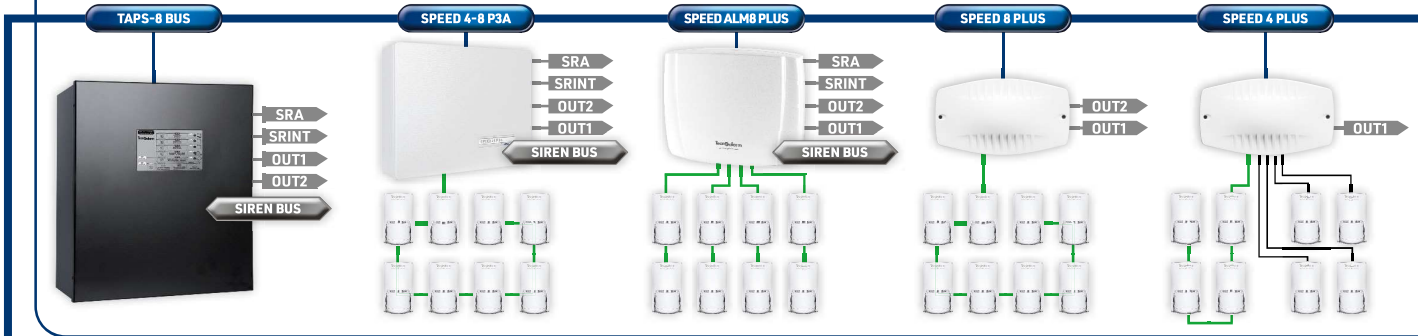
*The following contact types can be programmed: NC (normally closed), NO (normally open), BIL (end-of-line resistor), B24 (double end-of-line resistor). The following filters can be programmed: time, pulse count or inertia.
** The 4 conventional inputs are only available as an alternative to 4 Sensor Bus inputs (max. 8 inputs managed)

Videalarm					
VIDEALARM IP	UTS E	IP cameras	Recording	Viewing	App
	3	24	8		

Technical evaluation index	Serial ports			Communication devices				Telematic services and apps					
	SERIAL BUS	SENSOR BUS	SIREN BUS	PSTN	4G GSM	IP	4G GSM-EXT	TCS	DDNS TECHNOALARM	myTecnalarm TCS	myTecnalarm		
TP20-440 TP20-440 EN				-	SP2	SP3...5	SP3...5	SP2			-		
	A			A				A					

A: excellent - B: good - C: satisfactory - SP: single path - DP: dual path
The SP and DP values indicate the performance level achieved by either a single communication device or a combination of two, according to the EN 50131 and EN 50136 standards.

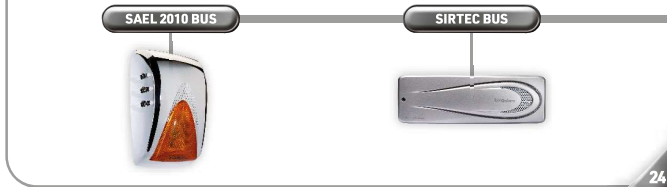
POWER SUPPLIES INPUT EXPANSIONS



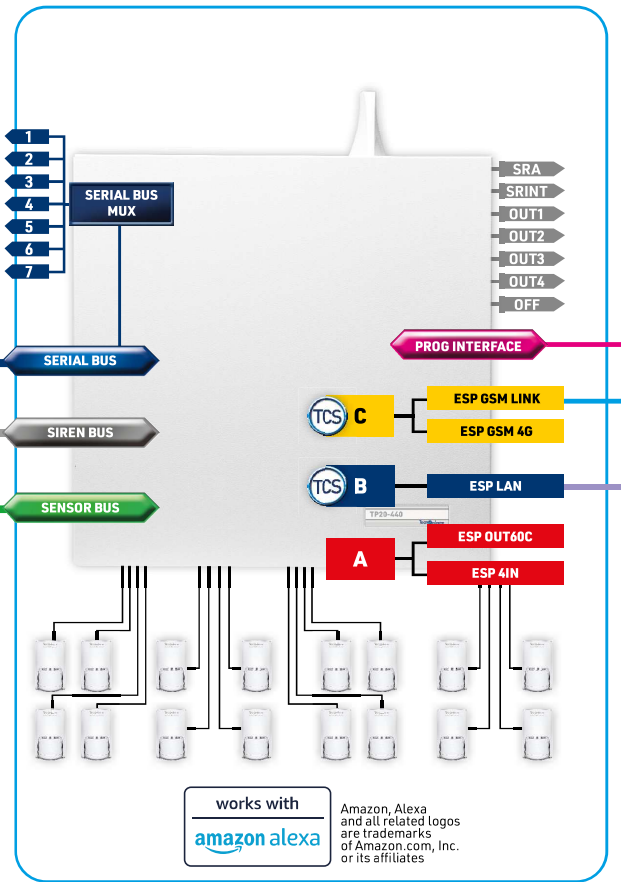
CONSOLES



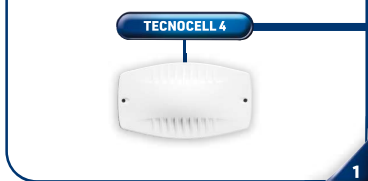
BUS SIRENS



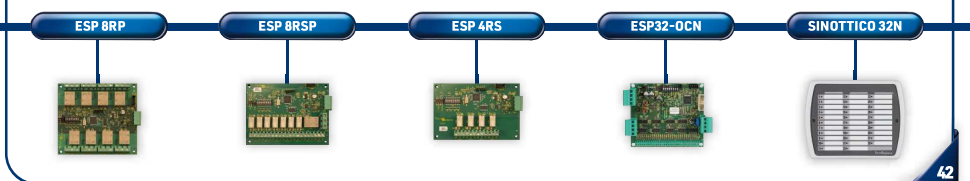
BUS DETECTORS

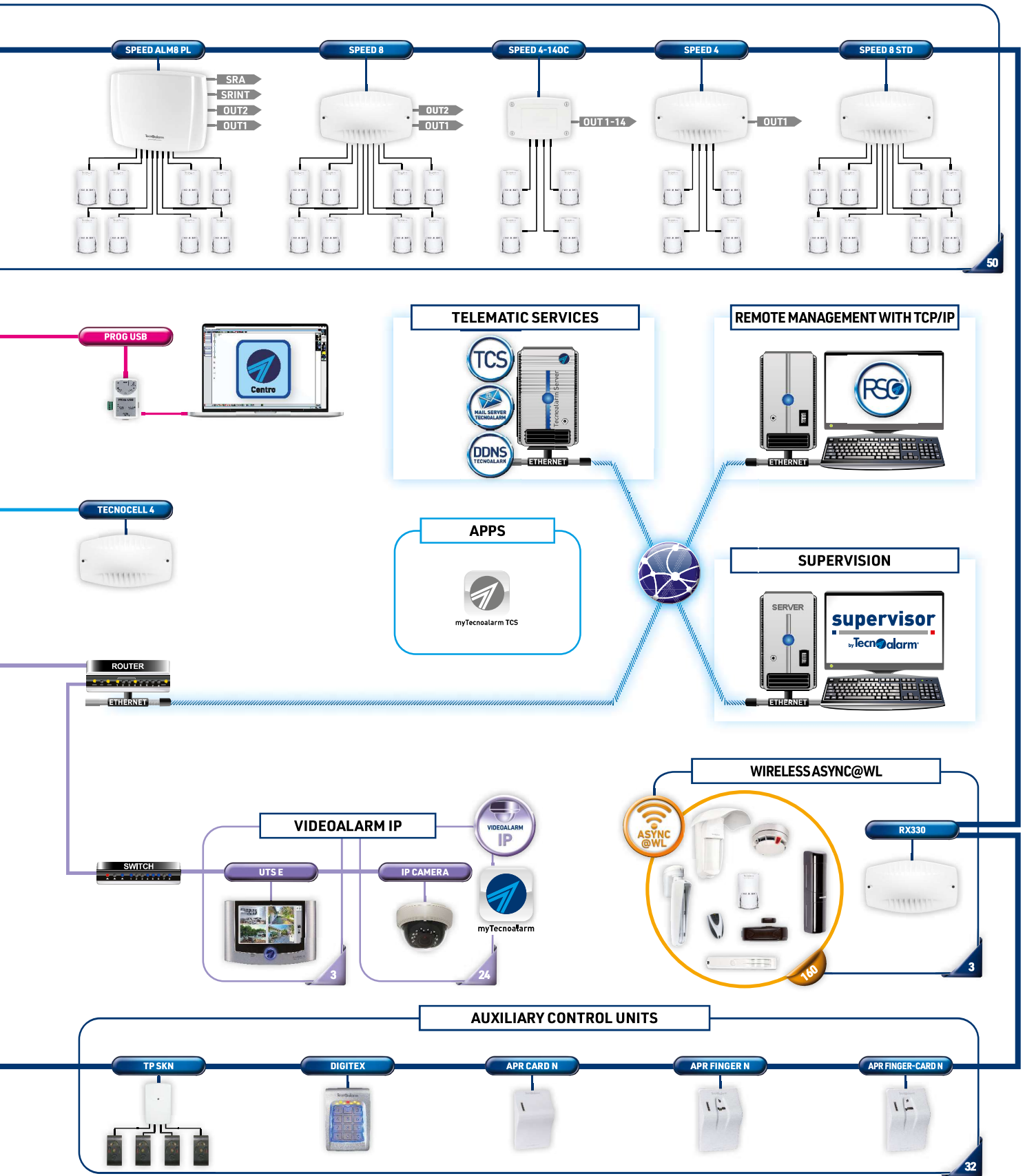


COMMUNICATORS



OUTPUT EXPANSIONS





TP20-440

TP20-440

- 20 to 440 logic zones
- Management of max. 424 hard-wired zones: conventional, Zone Bus and Sensor Bus
- Management of max. 160 wireless zones
- 12 zone inputs for connecting conventional detectors
- 8 Sensor Bus inputs for connecting RSC® detectors
- 1 tamper input
- 6 programmable logic outputs
- 1 open-collector output OFF-
- 32 logic sirens
- **1 Serial Bus port for connecting conventional peripheral devices**
- 1 Sensor Bus port for connecting RSC® detectors
- 1 Siren Bus port for connecting RSC® sirens
- 1 Serial Bus Mux module with 7 terminals for branching of the serial bus
- On-board PSTN communication device
- Optional IP WAN and 4G LTE communication devices
- 8 channels for event notification
- 1 call back channel for connection with a monitoring station
- 2 telephone numbers/IP addresses per channel
- 203 protocols for transmission in the formats: Speech, SMS, FSK, Ring, DTMF, Data, E-mail and TCS
- Security: AES 128 bit and 256 bit data encryption
- Individually programmable passphrase for each channel
- Test call with TCP/IP
- GSM network cell scanner function
- Jammer detector function
- Management of the telematic services TCS, DDNS Tecnoalarm, SNTP and Mail Server Tecnoalarm
- Voice synthesis
- 32 programs with individual time settings
- Management of multiuser systems with common zones
- Programmable coincidence function
- 1,000 access codes
- 1,000 transponders/RFID cards
- 250 wireless keys
- Management of biometric finger print and RFID card readers
- 32 remote controls
- 64 timers
- 16 access periods
- 10 cyclic timers
- 6 customizable memos with programmable deactivation priority
- Customizable quadrennial or perpetual calendar
- Automatic Daylight Saving Time/Local Sidereal Time change
- Digital control of the radio range and interferences
- Event buffer with a capacity of 32,000 events
- 14.4V power supply output for battery recharge
- Bay for 2x 12V/17Ah batteries
- Battery test with automatic disconnection in case of failure
- On-board 8A switching power supply
- EN 50131 certification, security grade 3

TP20-440

Technologies and services						
Standard equipment						
Expansions						
Control modes						
Automation						
Advanced features						

TP20-440 - Technical and functional specifications

Zones	Total logic zones	440	Videalarm	Videalarm IP	✓
	CPU hard-wired zones	12 conventional 8 Sensor Bus		Internal expansions	Input expansions
	Total hard-wired zones	424	Serial expansions		Hard-wired input expansions
	Total wireless zones	160		Wireless expansions	3
Outputs	CPU outputs	6		Consoles	32
	Sirens	32		Auxiliary control units	32
System features	RS485 serial bus	3		Output expansions	42
	Voice synthesis	✓		GSM telephone communicator	1
	Event buffer capacity	32,000 events	Bus sirens	24	
Programs and access management	Programs	32	Advanced programming	Actions	2,048
	Codes	1,000		Timers	512
	Finger prints	96		Counters	256
	Transponders/RFID	1,000		Telephone index	48 numbers
	Wireless keys	250		Reserved output expansions	16
Automation	Timers	64	Accessory management	App (iPhone + Android)	myTecnoalarm myTecnoalarm TCS
	Access periods	16		Supervisor	Optional
	Calendar	Quadrennial or perpetual		Tecno out protocol	Optional
	Remote controls	32	Electrical specifications	Operating voltage	230V AC +/- 10% 50Hz
	Cyclic timers	10		CPU board consumption	190mA @ 13.8V DC
	Test call with TCP/IP	✓		Power supply	8A @ 14.4VDC
Telephone section	Channels	8	Batteries	2x 12V/17Ah	
	PSTN vector	On-board	Physical specifications	Environmental class	II
	GSM vector (optional)	ESP GSM 4G		Casing	Metal
	GSM-EXT vector (optional)	TECNOCELL 4		Dimensions (L x H x D) (w/o antenna)	455 x 445 x 115mm
	IP vector (optional)	ESP LAN		Antenna height	90mm
	Transmittable events	1,097		Weight (w/o battery)	7.8kg
	Telephone numbers/ IP addresses	2 per channel (max. 24 digits)		Conformity	Standards
	Call event queue	96	Security grade		3 (TP20-440 EN)
Protocols	203	Notified body	IMQ		
Telematic services	DDNS Tecnoalarm	✓			
	SNTP	✓			
	Mail Server Tecnoalarm	✓			
	TCS	✓			