

EV 10-50



evolution
Tecnalarm®

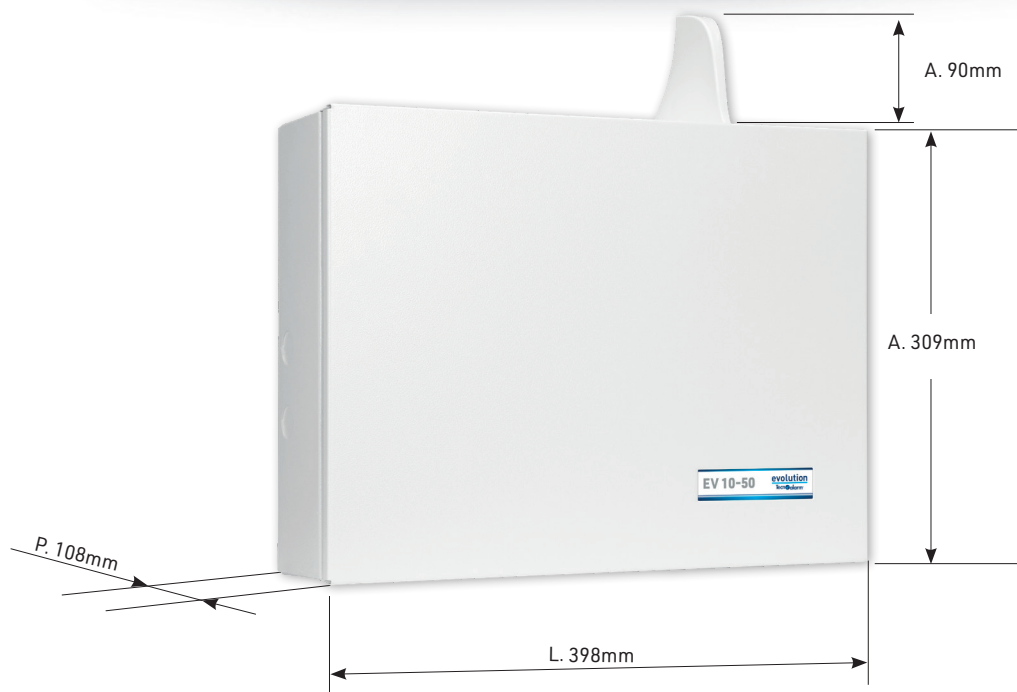




EV 10-50



Serial control panel Expandable from 10 to 50 zones Remote programming and management



EV 10-50

evolution

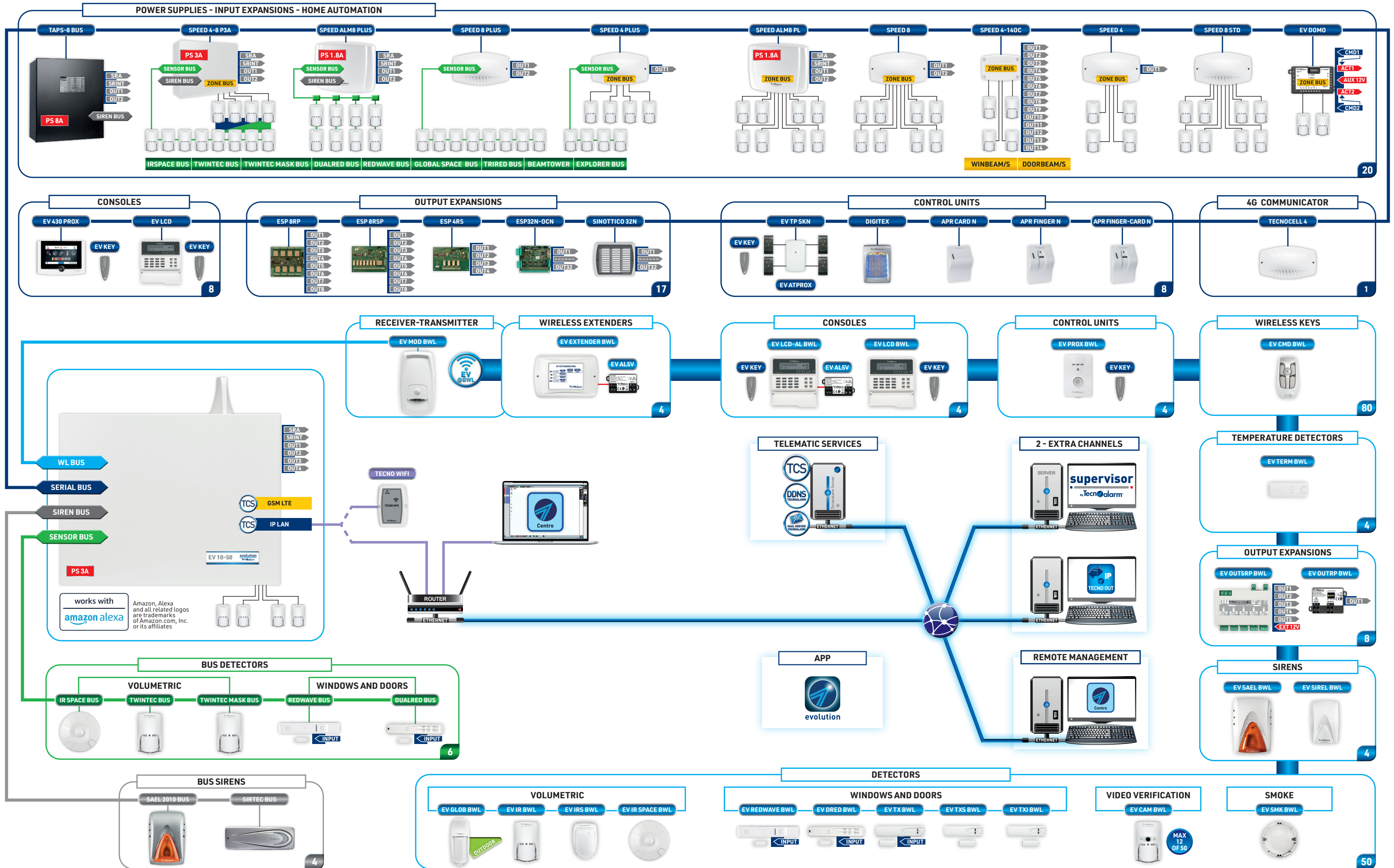
PHYSICAL ZONES / DEVICES												
	CPU	EV MOD BWL	EV DOMO	SPEED 8 STD	SPEED 4	SPEED 4-140C	SPEED 8	SPEED ALM8 PL	SPEED 4 PLUS	SPEED 8 PLUS	SPEED ALM8 PLUS	SPEED 4-8 P3A
WIRELESS EV@BWL	-	50	-	-	-	-	-	-	-	-	-	-
CONVENTIONAL ZONES*	4	-	2	8	4	4	8	8	4	-	-	4**
ZONE BUS	-	-		-	-	-	-	-	4	8	8	8
SENSOR BUS	6	-	-	-	-	-	-	-	4	8	8	8
HOME AUTOMATION	-	-	2	-	-	-	-	-	-	-	-	-

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

PHYSICAL ZONES / DEVICES											
	CPU	EV DOMO	SPEED 8 STD	SPEED 4	SPEED 4-140C	SPEED 8	SPEED ALM8 PL	SPEED 4 PLUS	SPEED 8 PLUS	SPEED ALM8PLUS	SPEED 4-8 P3A
RELAIS	2	-	-	-	-	-	2	-	-	2	2
OPEN COLLECTOR	4	-	-	1	14	2	2	1	2	2	2
HOME AUTOMATION	-	2	-	-	-	-	-	-	-	-	-

Technical evaluation index	Serial ports				Communication devices			Telematic services and apps			
	SERIAL BUS	SENSOR BUS	SIREN BUS	WL BUS	4G GSM	IP	4G GSM-EXT	TCS	DDNS	evolution	
EV 10-50					-	SP3...5 DP1...DP4	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.



EV 10-50

- 50 logic zones
- Management of max. 50 hard-wired zones: conventional, Zone Bus and Sensor Bus
- Management of max. 50 wireless zones
- Management of max. 4 climatic zones
- 4 zone inputs for connecting conventional detectors
- 6 Sensor Bus inputs for connecting RSC® detectors
- 1 tamper input
- 6 programmable logic outputs
- 8 logic sirens
- 1 WL Bus port for connecting the EV MOD BWL module
- 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
- On-board communication vectors: IP WAN and 4G LTE
- Optional communication vectors: TECNOCELL 4
- Optional WIFI module: TECNO WIFI
- 12 channels for event notification
- 2 telephone numbers/IP addresses per channel
- Passphrase indipendente per i 12 comunicatori
- 50 protocols for transmission in the formats: Vocale, SMS, Ring, Dati, EMAIL, TCS
- Security: AES 128 bit and 256 bit data encryption
- Server TCP/IP channel 4+1 Regulated access from Passphrase and White list
- TCP/IP Client Channel 9+1 Encrypted communication customizable encryption key
- 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
- Customizable Text to speech vocabulary
- 8 programs with individual time settings
- Customizable timings for each program
- Management of multiuser systems with common zones
- 122 access codes
- 100 transponders/RFID cards
- 80 wireless keys
- Management of biometric finger print and RFID card readers
- 36 remote controls
- Management of 10 home automation
- 8 timers
- 8 acces periods
- 8 cyclic timers
- 3 customizable memos with programmable deactivation priority
- Callable information message
- Customizable quadrennial or perpetual calendar
- Automatic Daylight Saving Time/Local Sidereal Time change
- 4-zone thermostat with weekly schedule
- Digital control of the radio range and interferences
- Programmable coincident alarm management
- Event buffer with a capacity of 64.512 events
- Specialized power output for self-powered siren battery charger
- Bay for 12V/12Ah battery
- Battery test with automatic disconnection in case of failure
- On-board 3A linear power supply

Technologies and services



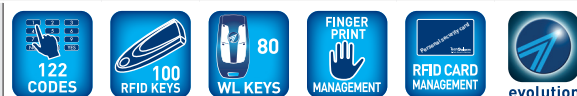
Standard equipment



Expansions



Control modes



Automation



Advanced features



EV 10-50 - Technical and functional specifications

Zones	Total logic zones	50
	Zone filari CPU	6 Sensor Bus 4 conventional
	Total hard-wired zones	50
	Total wireless zones	50
	Home automation	10
	Climatic zones	4
Outputs	CPU outputs	6
	Logic sirens	8
System	RS485 serial ports	WL Bus Siren Bus Serial Bus Sensor Bus
	Voice synthesis	✓
	Vocabulary	TTS
	Image recording	Micro SD (optional)
	Events storage capacity	64.512
Programs and control modes	Programs	8
	Codes	122
	Finger prints	96
	Transponders/RFID cards	100
	Wireless keys	80
Automation	Timers	8
	Access periods	8
	Room thermostats	4
	Calendar	4 o perpetuo
	Timed memos	3
	Remote controls	36
	Test call with TCP/IP	1
	Cyclic timers	8
Characteristics TLC	Telecommunication vectors	IP 4G LTE
	GSM-EXT Vector (optional)	TECNOCELL 4
	WI-FI Module (optional)	TECNO WIFI
	ATE category	SP3...SP5 DP1...DP4
	Communication protocols	50
	Encryption	AES 128/256 bit
	Passphrase	Programmabile
	Channels	12 + 1
	Channels Server TCP/IP	4 + 1
	Channels Client TCP/IP	12 + 1
	Transmittable events	174
	Telephone no./IP address	12 + 12 (24 caratteri)
	Call event queue	64

Telematic services	Managed functions	TCS DDNS Tecnoalarm Mail Server Tecnoalarm SNTP
Wireless system expansions	Module EV MOD BWL	1
	Extension module	4
	Total detectors	50
	Synchronous detectors	12
	Consoles	4
	Auxiliary control units	4
	Sirens	4
Serial system expansions	Output expansions	8
	Temperature detectors	4
	Hard-wired input expansions	20 (max 10 home automation)
	Consoles	8
	Auxiliary control units	8
Advanced programming	Output expansions	17
	4G Communicator	1
	Bus sirens	4
	Actions	1.024
	Timers	512
Management	Counters	128
	Telephone numbers	48
	Output expansions	4
	Output expansions	4
Necessary managements	iPhone - Android - Huawei	evolution
	Supervisor	Optional
Electrical specifications	Tecno Out	Optional
	Operating voltage	230V AC +/- 10% 50Hz
	CPU consumption	150mA @ 13,8V DC
	Modular power supply	3A @ 14,4V DC
Physical specifications	Capacity	1 da 12V/12Ah
	Environmental class	II
	Casing	Acciaio
	Dimensions (L x A x P)	398 x 309 x 108mm
	Antenna height	90mm
	Weight	4,5kg
Conformity	European standards	EN 50131-1 EN 50131-3 EN 50131-5-3 EN 50131-6 EN 50136-2
	Security grade EV 10-50 EN	2
	Notified body	IMQ

Expansions

EV MOD BWL	 Approved for certified systems EN 50131						
	Highly sensitive multi-channel UHF receiver-transmitter - 868MHz frequency band - Digital modulation - EV@BWL protocol - AES 128 bit encryption - Integrated RSC® technology: remote programming and management - Connection via WL Bus - Mounting inside the control panel casing or surface mountin at max. 50m distance - Anti-tamper protection: anti-opening/antidetachment, serial bus sabotage, antijamming - Environmental class II (indoor general) - ABS casing - White Cod. F102EVMODBWL						

EV MOD BWL - Technical and functional specifications

Genera features	Type	EV MOD BWL	Electrical specifications	Operating voltage	10...14,5V DC
	Connection	WL Bus RS485		Max. consumption	170mA @ 13,8V DC
Wireless features	Communication protocol	EV@BWL	Physical specifications	Environmental class	II
	Encryption	AES 128 bit		Protection class	IP3x-IPK04
	Transmitter-receiver	Multi-channel UHF		Casing	ABS
	Frequency band	868MHz		Dimensions (L x H x D)	73 x 137 x 39mm
	Modulation	FSK		Weight	119g
Anti-tamper protection	Anti-opening and anti-detachment	Micro-switch	Conformity	Standards	EN 50131-1 EN 50131-3 EN 50131-5-3
	Manomissione Bus	✓		Security grade	2
	Jamming radio	✓		Notified body	IMQ
	Sopravvivenza	✓			

EV 10-50 - Accessories

	GSM ANTENNA EXTENSION Extension cable for GSM antenna connection. Cable length 12m Cod. C126PROLANT12M		GSM ANTENNA EXTENSION Extension cable for GSM antenna connection. Cable length 4m. Cod. C126PROLANTENNA
	MICRO SD CARD 4 GB micro SD memory card for storage of 200 sequences of 6 high-resolution photos for each Video Verification detector N.B. Tecnoalarm does not guarantee the correct functioning with other memory cards. Cod. F127EVCARD4GB		ANTENNA KIT Multi band GSM antenna with magnetic base and 3m extension cord for installing the antenna on metal surfaces. Cod. C126ANTENNA3GBA



SOFTWARE PLUG-INS		
ADVANCED PROGRAMMING	Advanced programming software plug-in N.B. Function subject to license. Indicate serial number of control panel in order.	
	Cod. F127EV50/AV	
TECNO OUT	Tecno Out management software plug-in N.B. Function subject to Non-Disclosure Agreement. Indicate serial number of control panel in order.	
	Cod. F127EV50/TECNO	

MODELS								
Model	Item no.							
EV 10-50	F101EV10504G-UK			✓	✓	Optional	3A	✓
EV 10-50 EN	F101EV10504GEUK	Security grade 2		✓	✓		3A	✓

COMMUNICATION DEVICES									
Format	Device	TCS	DDNS	MAIL	APP	RDV®	Software	CMS	Supervisor
GSM-LTE	On board	✓			✓	✓	TCP/IP	✓	
IP	On board	✓	✓	✓	✓		TCP/IP	✓	✓
GSM-EXT*	TECNOCELL 4							✓	

* Optional communication formats



Tecnalarm®

Via Ciriè, 38 - 10099 - San Mauro T.se Torino (Italy)
Tel. +39 011 22 35 410
info@tecnoalarm.com

Tecnalarm® FRANCE

495, Rue Antoine Pinay - 69740 Genas - Lyon (France)
Tél. +33 (0)4 78 40 65 25
tecnoalarm.france@tecnoalarm.com

Tecnalarm® ESPAÑA

C/Vapor 18 (Pol. Ind. El Regàs) - 08850 Gavà - Barcelona (España)
Tel. +34 936 622 417
tecnoalarm@tecnoalarm.es



MADE IN ITALY

