

evolution

Tecnalarm®



Wireless burglar alarm system

DESIGN BY

pininfarina

Catalog

Edition 2-2020



Evolution: a step in the future

High-end technology and functions
with all the experience of Tecnoalarm



Wireless burglar alarm system



Tecnoalarm Connect Service - Thanks to the telematic service TCS of Tecnoalarm and the excellent communication devices, the Evolution systems are always monitored and connected to the app Evolution in order to quickly and easily take advantage of the multiple control and management functions.



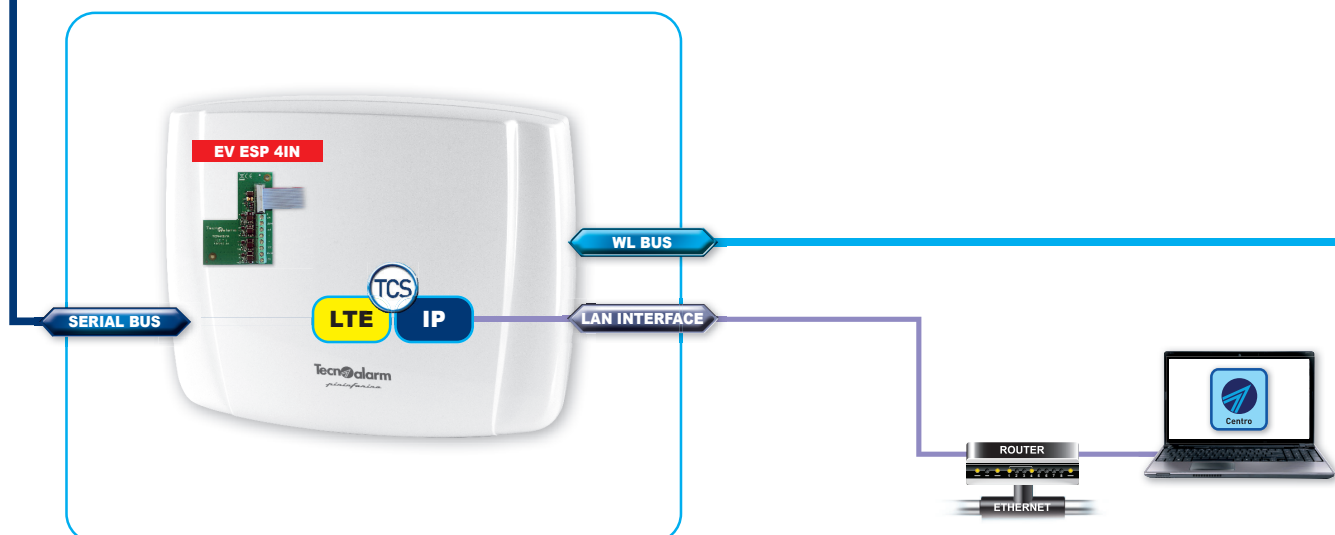
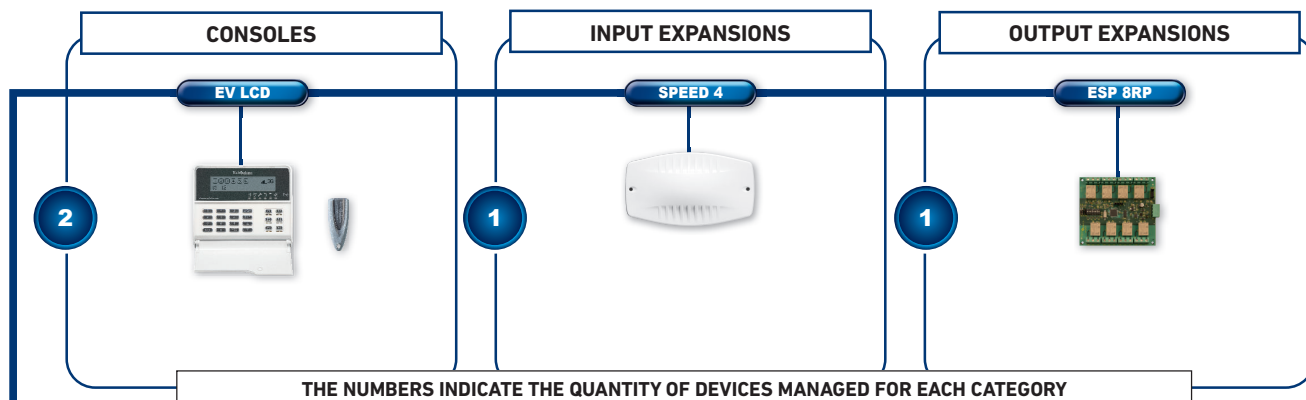
EV@BWL - The bidirectional multichannel wireless protocol EV@BWL guarantees a high level of device monitoring as well as a good management of energy consumption.



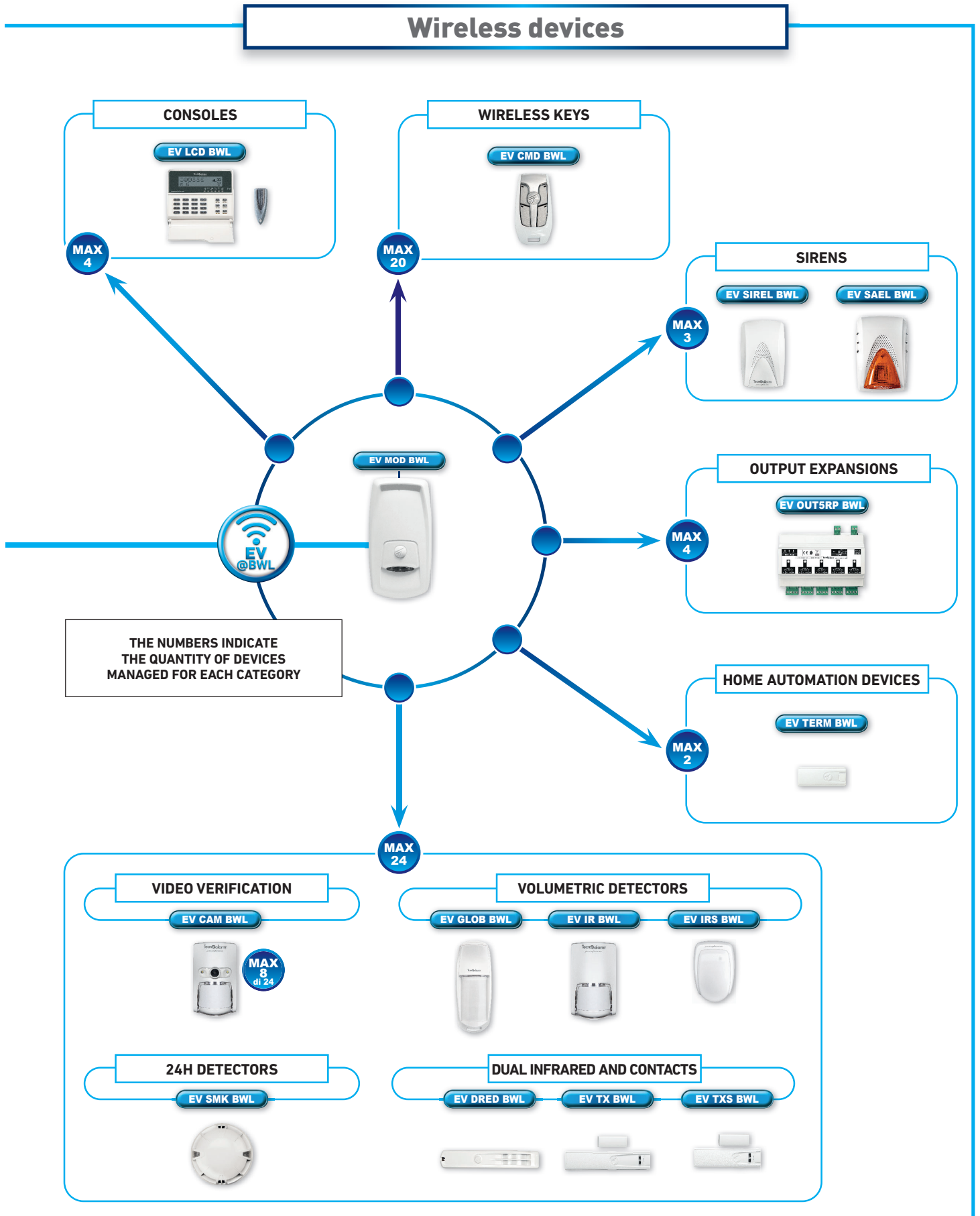
Remote Sensitivity Control - The exclusive technology developed by Tecnoalarm allows to remotely program, manage and control all the operating parameters of each system component.

EV 4-24 3G - EV 4-24 4G

Hard-wired devices



System configuration



Wireless control panels

AVAILABLE MODELS



EV 4-24 3G

Item no. F101EV4243G-UK

EV 4-24 4G

Item no. F101EV4244G-UK

EV 4-24 3G - EV 4-24 4G

- 24 logic zones
- Max. 8 conventional hard-wired zones
- Max. 24 wireless zones
- 1 tamper input
- 1 programmable relay output
- 2 logic sirens
- 1 WL Bus port for connecting the EV MOD BWL module
- 1 Serial Bus port for connecting conventional peripheral devices
- Integrated communication devices IP WAN, 3G UMTS/4G LTE
- ATE category: Single Path SP3-SP5 and Dual Path DP1-DP4
- 8 channels for event notification
- 1 call back channel for connection with a monitoring station
- 2 telephone numbers/IP addresses per channel
- 41 protocols for different transmission in the formats: Speech, SMS, Ring, DTMF, Data, EMAIL and TCS
- Security: AES 128 bit and 256 bit data encryption
- 4 + 1 Server TCP/IP channels with access controlled by Passphrase and White list
- 8 + 1 Client TCP/IP channels with customizable encryption key
- GSM network cell scanner function
- Jammer detector function
- Management of the telematic services TCS, DDNS Tecnoalarm, SNTP and Mail Server Tecnoalarm
- Voice synthesis
- Management of multiuser systems with common zones
- 6 programs
- 50 access codes
- 20 transponders/Rfid cards
- 20 wireless keys
- 6 remote controls
- 8 timers
- 4 access periods
- 6 cyclic timers
- Customizable biennial or perpetual calendar
- Digital control of the radio range and interferences
- Programmable coincidence function
- Event buffer with a capacity of 3,256 events
- Bay for 12V/7Ah battery
- Battery test with automatic disconnection in case of failure
- Integrated 1.9A switching power supply

EV 4-24 3G - EV 4-24 4G - Technical and functional specifications

Zones	Total logic zones	24
	Total hard-wired zones	8
	Total wireless zones	24
Outputs	Outputs	1 (relay)
	Logic sirens	2
System features	Wireless receiver-transmitter module	EV MOD BWL
	RS485 serial bus	2
	Voice synthesis	✓
	Image memory	Micro SD (optional)
	Event buffer capacity	32,256 events
Programs and access management	Programs	6
	Codes	50
	Transponders/RFID	20
	Wireless keys	20
Automation	Timers	8
	Access periods	4
	Calendar	Biennial or perpetual
	Remote controls	6
	Cyclic timers	6
	Test call with TCP/IP	✓
Communication interface	Communication devices	IP WAN
		3G UMTS/4G LTE
	ATE category	SP3-SP5 DP1-DP4
	Protocols	41
	Encryption	AES 128/256 bit
	Passphrase	Programable
	Event notification channels	8 + 1
	Server TCP/IP channels	4 + 1
	Client TCP/IP channels	8 + 1
	Transmittable events	109
	Telephone numbers/ IP addresses	2 per channel (max. 24 digits)
	Call event queue	64

Telematic services	TCS	✓
	DDNS Tecnoalarm	✓
	Mail Server Tecnoalarm	✓
	SNTP	✓
Internal expansion	Input expansions	1 (4 inputs)
Wireless devices managed	Detectors	24
	Consoles	4
	Sirens	3
	Output expansions	4 (20 outputs)
Serial system expansions	Hard-wired input expansions	1
	Consoles	2
	Output expansions	1 (16 outputs)
Accessory management	App (iPhone + Android)	Evolution
Electrical specifications	Operating voltage	230V AC +/- 10% 50Hz
	Consumption CPU board	190mA @ 13.8V DC
	Consumption receiver-transmitter module	35mA @ 13.8V DC
	Power supply	1.9A @ 14.4V DC
	Battery	12V/7Ah
Physical specifications	Environmental class	II
	Casing	ABS
	Dimensions (L x H x D)	350 x 285 x 93mm
	Weight (w/o battery)	2.7kg
	Operating temperature	-10°C...+55°C
	Humidity (non-condensing)	93%

Product range Evolution

PRODUCT RANGE

	EV 4-24 3G	F101EV4243G-UK	Control panel 4-24 zones - Integrated IP WAN and 3G UMTS interfaces
	EV 4-24 4G	F101EV4244G-UK	Control panel 4-24 zones - Integrated IP WAN and 4G LTE interfaces
	EV MOD BWL	F102EVMODBWL	Wireless receiver-transmitter module - Connection through WL Bus port
	EV LCD BWL	F102EVLCDLWL	Wireless LCD console - Integrated RFID reader
	EV CMD BWL	F102EVCMDLWL	Wireless key - 3 command keys - 1 query key
	EV IRS BWL	F102EVIIRLWL	Infrared detector for indoor use - Short range coverage
	EV IR BWL	F102EVIIRLWL/V	Infrared detector for indoor use - High density wide angle lens
		F102EVIIRLWL/C	Infrared detector for indoor use - Long range lens
		F102EVIIRLWL/T	Infrared detector for indoor use - Curtain lens
		F102EVIIRLWL/PET	Infrared detector for indoor use - Pet immune wide angle lens
	EV CAM BWL	F102EVCAMLWL	Infrared detector for indoor use - Integrated camera
	EV DRED BWL	F102EVDREDBWL	Dual infrared detector for indoor use - Integrated magnetic contact Single/dual ID functioning
		F102EVDREDBWLM	
	EV GLOB BWL	F102EVGLOBLWL	Triple infrared detector for outdoor use - Multi-point technology
	EV TX BWL	F102EVTXBLWL	Magnetic contact for indoor use - 2 inputs for external devices Single/dual ID functioning
		F102EVTXBLWLM	
	EV TXS BWL	F102EVTXSBLWL	Magnetic contact for indoor use
		F102EVTXSBLWLM	
	EV SMK BWL	F102EVSMBLWL	Optical smoke detector for indoor use
	EV TERM BWL	F102EVTERMBWL	Temperature and humidity detector for indoor use
	EV SIREL BWL	F102EVSIRELBWL	Piezoelectric siren for indoor use - Sound level 103dB(A) @ 1m
	EV SAEL BWL	F102EVSAELELWL	Piezoelectric siren for outdoor use - Sound level 103dB(A) @ 1m Multifunction flashlight
	EV OUT5RP BWL	F127EVOUT5RPBWL	Wireless output expansion - 3 signal relays - 2 power relays
	EV ESP 4IN	F127EVESP4IN	Internal input expansion - 4 inputs
	EV KEY	F103EVKEY	Transponder
	EV LCD	F127EVLCD	Hard-wired LCD console - Integrated RFID reader
	SPEED 4-140C	F101SPEED4140C	Hard-wired input/output expansion - 4 inputs - 14 open-collector outputs
	SPEED 4	F101SPEED4	Hard-wired input/output expansion - 4 inputs - 1 open-collector output
	ESP32-OCN	F127ESP32OCN	Hard-wired output expansion - 32 open-collector outputs (the control panel manages max. 16 outputs)
	ESP 4RS	F127ESP4RS	Hard-wired output expansion - 4 signal relays
	ESP 8RP	F127ESP8RP	Hard-wired output expansion - 8 power relays
	ESP 8RSP	F127ESP8RSP	Hard-wired output expansion - 7 signal relays - 1 power relay

App Evolution

THE APP FOR THE SYSTEM EVOLUTION



The app Evolution is the exclusive communication channel between the user and the system Evolution from Tecnoalarm. The app for management of the security systems evolves and makes the operation and control of the systems Evolution even more easy and intuitive.

App Evolution: push notifications in real time

In addition to the voice call, sms, e-mail, the system Evolution transmits the events via push notification to your mobile phone.



The app permits to simply and intuitively interact with the system Evolution, manage the zones, programs and remote controls, control the home automation systems as well as shoot and view photos of the protected environments. The alarm notification of the infrared detectors equipped with cameras includes the sequence of photos recorded during the alarm (Video Verification). The app Evolution provides new filter functions that simplify the consultation of the event log. In addition, menu shortcuts that can be configured by the user, accelerate the management of the programs and the remote controls.