

# evolution

## TecnAlarm®



Wireless burglar alarm system

DESIGN BY

*pininfarina*

# Catalog

Edition 1-2022



# Hi-Tech Security Systems

**High technology burglar alarm systems**



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# TECNOALARM INTERNATIONAL LEADER IN SECURITY



## Since 1977: more than 40 years of research and innovation

Tecnoalarm, established in 1977 and motivated by a great passion for security, has immediately placed great emphasis on advanced technological research and on the development of simple but efficient solutions that meet the requirements of the market. High-quality products and a high level of innovation very soon allowed Tecnoalarm to dominate the market and boost its growth. Today, the company is leader in Italy and strongly present in the world.

After several years of research, in 2014, the company has started the commercialization of the product line of automatic fire alarm systems, Tecnofire.

In 2017, the company has celebrated **40 years of activity**, an important milestone that ranks it among the most reputable actors in the security market.

The company devotes a lot of resources to improving the competences of the professionals of the sector and pursuing solutions that conform to the valid standards. Its commitment to constant evolution is based on the brand's pillars: technology, innovation and design, entirely *made in Italy*.

**Tecnoalarm, a brand with a long history and in constant evolution.**



**Exclusive design by Pininfarina**

Tecnoalarm products are renowned for their modern and elegant designs: true home furnishings originating from the long-term collaboration with Pininfarina, one of the world's most prestigious labels of industrial design.



DESIGN BY

*pininfarina*



# EVOLUTION APP



With the Evolution app, the management and control of the alarm system is something handy, accessible from anywhere and anytime, with the functionality and simplicity of a remote control.

The app connects the user with the system in real time, speed and effectiveness. Standard commands, menu shortcuts and the Alexa voice control contribute to manage the alarm system and the home automation of either the principal dwelling, the holiday cottage or the office in a natural and intuitive way. Detailed and filterable push notifications inform the user about the operating state of the system and possible failures.

Security and privacy is ensured by an encrypted communication protocol and a double security code: passphrase and access code, optionally replaceable by the practical biometric authentication.



Tecnoalarm Connect Service:  
automatic WAN or 3GPP connection between  
the control panel, the app and the software

## Evolution

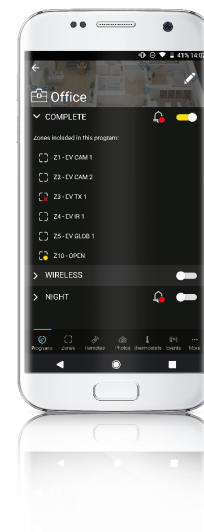
The app for the new Evolution range systems.

- Connection via **TCS** (Tecnoalarm Connect Service)
- Voice control with **Amazon Alexa**
- Compatible systems: **EV 4-24 4G**



## How it works

The Evolution app allows you to manage all your systems simultaneously: principal dwelling, company, store, cottage in the mountains, cottage at the seaside or other. After installation, the app is immediately active, just tap on it. Once you have added your systems, you can select and manage them singularly after entering the access code.



### Programs

The **Programs** page indicates whether an alarm is active (bell with flashing red signal) or has previously been active (bell with fixed red signal).



### Zones

The **Zones** page allows you to verify the zone state and, if requested, to take a photo.



### Remotes

The **Remotes** page provides the switches to activate and deactivate the home automation systems connected to the control panel: turn on the lights, open the garage door, manage the heating.



### Photos

On the **Photos** page, you can view the photos taken during an intrusion attempt, with all the relative details, and if need be, download them on your mobile device for processing of the event.



### Events

The **Events** page shows all the activities of the control panel. Use the **Filter** by category to show/hide some of the events (Programs, Zones, Alarms, Photos etc.) for a better reading. The **Search** bar allows you to make a specific search.



### Thermostats

The **Thermostats** page allows you to set the operation of the heating and air conditioning system. It is possible to program up to 5 temperature levels that can be associated to maximum 8 daily time periods.



### More...

Thanks to the integration of the Amazon Alexa voice management, the **More** page allows you to **activate the system** in the Stay, Away or Night mode, depending on the available programs. In addition, you can **disarm the system** with a specific Alexa voice code and select the remote controls to be activated or deactivated.





# Wireless burglar alarm system

  
MADE IN ITALY



**EV**  
**SYSTEMS**

**evolution**

**Tecn<sup>o</sup>alarm<sup>®</sup>**



DESIGN BY

*pininfarina*

**Synchronized two-way wireless system**  
**Programming, management and control via TCS**



**EV 4-24 4G**



## Serial control panel 24 wireless and up to 8 hard-wired zones Remote programming and management

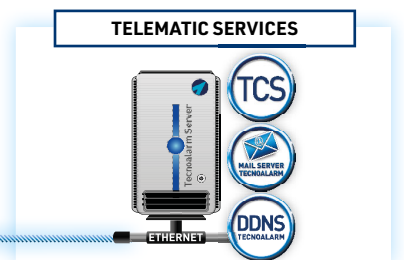
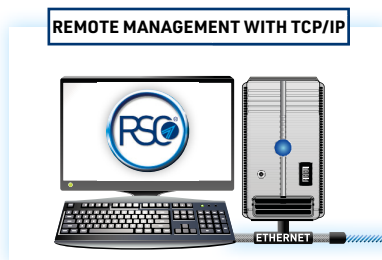
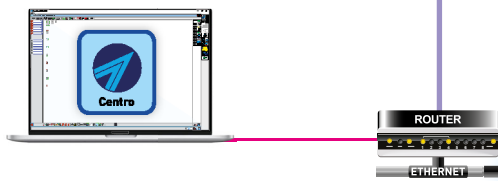
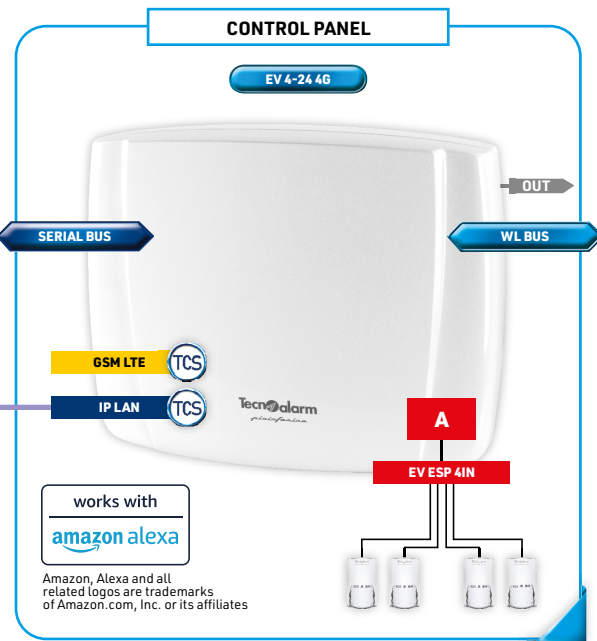
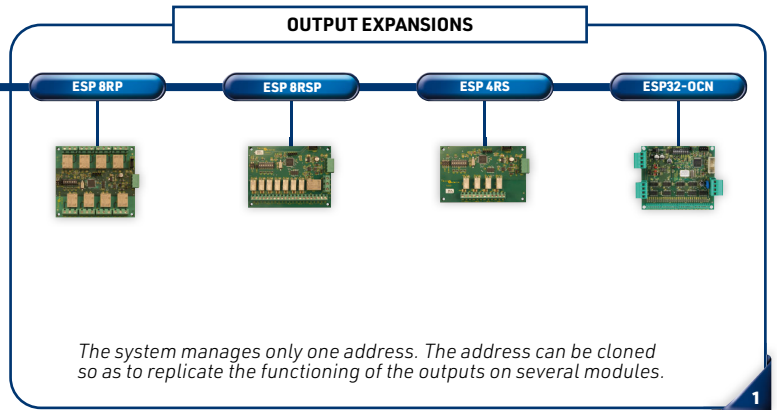
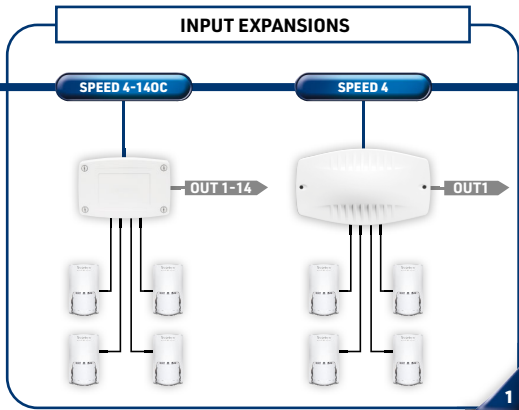


INPUTS	CPU	EV MOD BWL	EV ESP 4IN	SPEED 4	SPEED 4-140C
<b>WIRELESS</b>	-	24	-	-	-
<b>CONVENTIONAL*</b>	-	-	4	4	4

\* 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.

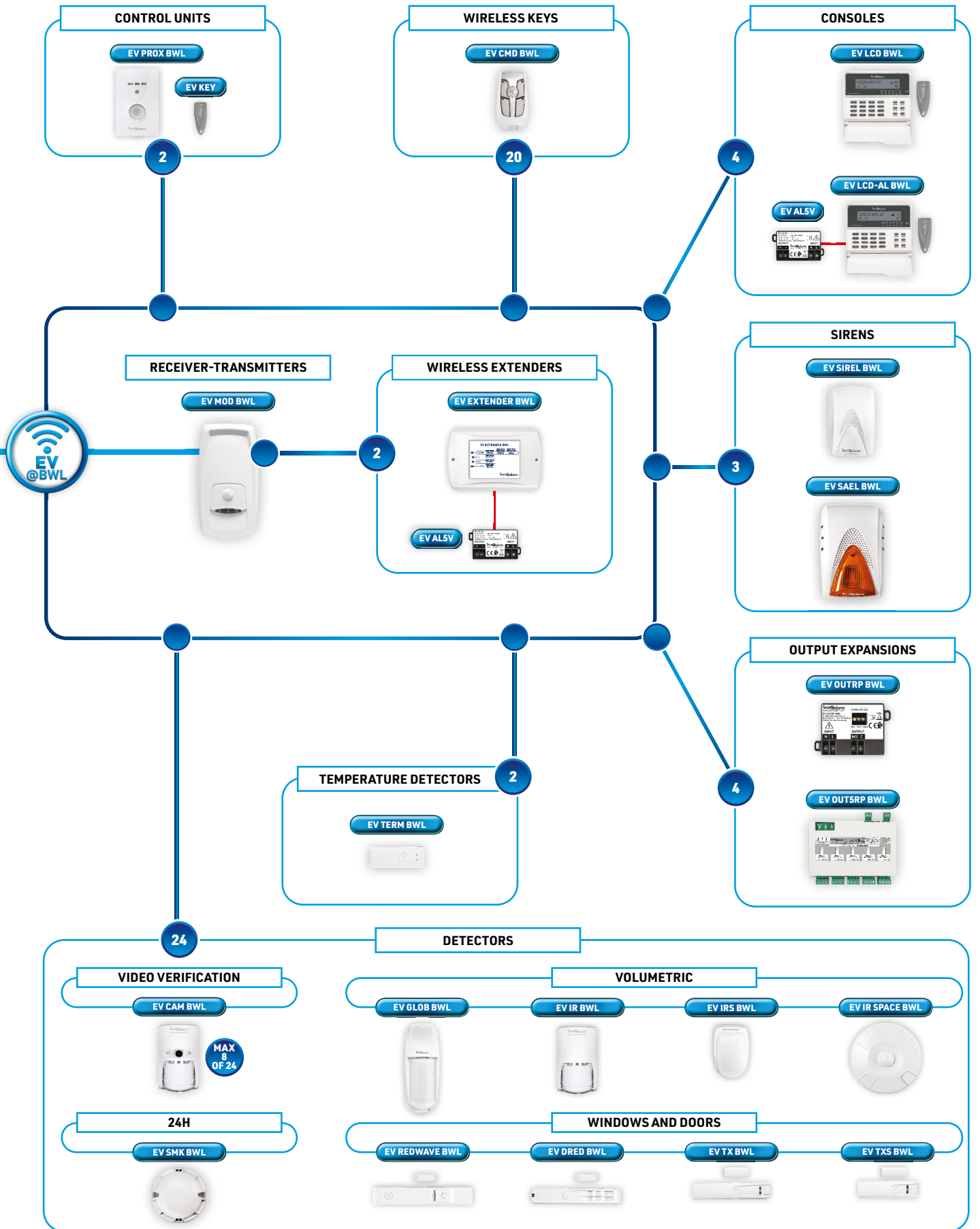
Technical evaluation index	Serial ports				Communication devices				Telematic services and apps				
	SERIAL BUS		WL BUS		4G GSM	IP			TCS	DDNS TECHNOALARM	evolution		
<b>EV 4-24 4G</b> <b>EV 4-24 4G EN</b>		-		-	SP3...5	SP3...5						-	-
	<b>B</b>				<b>A</b>				<b>A</b>				

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.



Number of connectable devices per type

X Number of managed wireless devices



## EV 4-24 4G









- 24 logic zones
- Max. 8 conventional hard-wired zones
- Max. 24 wireless zones
- 1 tamper input
- 1 programmable alarm output
- 2 logic sirens
- 1 WL Bus port for connecting the EV MOD BWL module
- 1 Serial Bus port for connecting conventional peripheral devices
- On-board IP WAN and 4G LTE communication devices
- 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
- 37 protocols for transmission in the formats: Speech, SMS, Ring, Data, E-mail 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
- 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
- 6 programs with individual time settings
- Management of multiuser systems with common zones
- Programmable coincidence function
- 50 access codes
- 20 transponders
- 20 wireless keys
- 6 remote controls
- 8 timers
- 4 access periods
- 6 cyclic timers
- Customizable 40 character splash message
- Customizable biennial or perpetual calendar
- Automatic Daylight Saving Time/Local Sidereal Time change
- 2-zone thermostat with weekly schedule
- Digital control of the radio range and interferences
- Event buffer with a capacity of 32,256 events
- Bay for 12V/7Ah battery
- Battery test with automatic disconnection in case of failure
- On-board 1.9A switching power supply
- EN 50131 certification, security grade 2

Technologies and services								
Standard equipment								
Expansions								
Control modes								
Automation								

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

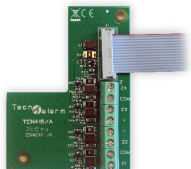






<b>Zones</b>	Total logic zones	<b>24</b>	<b>Telematic services</b>	TCS	✓
	Total hard-wired zones	<b>8</b>		DDNS Tecnoalarm	✓
	Total wireless zones	<b>24</b>		Mail Server Tecnoalarm	✓
				SNTP	✓
<b>Outputs</b>	Outputs	<b>1</b>	<b>Internal expansion</b>	Input expansion	<b>1</b>
	Logic sirens	<b>2</b>			
<b>System features</b>	RS485 serial bus	<b>2</b>	<b>Wireless devices managed</b>	Wireless receiver-transmitter module	<b>1</b>
	Voice synthesis	✓		Extenders	<b>2</b>
	Image memory	<b>Micro SD (optional)</b>		Total detectors	<b>24</b>
	Event buffer capacity	<b>32,256 events</b>		Total synchronized detectors	<b>8</b>
<b>Programs and access management</b>	Programs	<b>6</b>		Consoles	<b>4</b>
	Codes	<b>50</b>		RFID readers	<b>2</b>
	Transponders/RFID	<b>20</b>		Sirens	<b>3</b>
	Wireless keys	<b>20</b>		Output expansions	<b>4</b>
<b>Automation</b>	Timers	<b>8</b>	<b>Serial expansions</b>	Input expansion	<b>1</b>
	Access periods	<b>4</b>		Consoles	<b>2</b>
	Thermostat	<b>2-zone</b>		Output expansions	<b>1</b>
	Calendar	<b>Biennial or perpetual</b>	<b>App</b>	App (iPhone + Android)	<b>evolution</b>
	Memo messages	<b>2</b>			
	Remote controls	<b>6</b>	<b>Electrical specifications</b>	Operating voltage	<b>230V AC +/- 10% 50Hz</b>
	Test call with TCP/IP	✓		Consumption CPU board	<b>190mA @ 13.8V DC</b>
	Cyclic timers	<b>6</b>		Power supply	<b>1.9A @ 14.4V DC</b>
		Battery		<b>12V/7Ah</b>	
<b>Telephone section</b>	Communication formats	<b>IP WAN</b>	<b>Physical specifications</b>	Environmental class	<b>II</b>
		<b>4G LTE</b>		Casing	<b>ABS</b>
	ATE category	<b>SP3...SP5 DP1...DP4</b>		Dimensions (L x H x D)	<b>350 x 285 x 93mm</b>
	Protocols	<b>37</b>		Weight (w/o battery)	<b>2,7kg</b>
	Encryption	<b>AES 128/256 bit</b>	<b>Conformity</b>	Standards	<b>EN 50131-1 EN 50131-3 EN 50131-6 EN 50136-2</b>
	Passphrase	<b>Programmable</b>		Security grade	<b>2 (EV 4-24 4G EN)</b>
	Event notification channels	<b>8+1</b>		Notified body	<b>IMQ</b>
	Server TCP/IP channels	<b>4+1</b>			
	Client TCP/IP channels	<b>8+1</b>			
	Transmittable events	<b>110</b>			
	Telephone numbers/ IP addresses	<b>2 per channel (max. 24 digits)</b>			
Call event queue	<b>64</b>				

## Internal expansions



								
	<b>Mounting position</b>	A	B	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				
Item no. F102EVMOBWL								

### EV MOD BWL - Technical and functional specifications

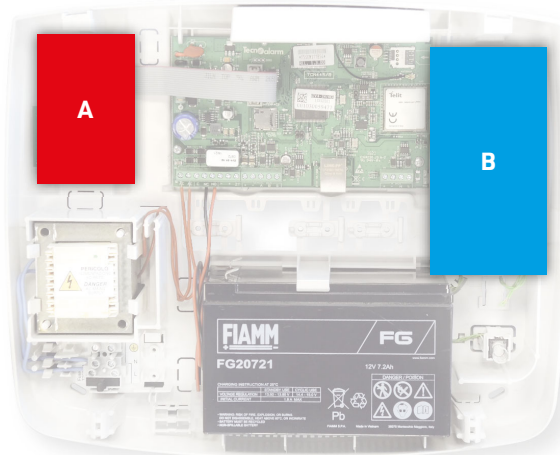
<b>General features</b>	Type	<b>EV MOD BWL</b>	<b>Electrical specifications</b>	Operating voltage	<b>10...14.5V DC</b>
	Connection	<b>WL Bus RS485</b>		Max. consumption	<b>170mA @ 13.8V DC</b>
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>	<b>Physical specifications</b>	Environmental class	<b>II</b>
	Encryption	<b>AES 128bit</b>		Protection class	<b>IP3x-IPK04</b>
	Transmitter-receiver	<b>Multi-channel UHF</b>		Casing	<b>ABS</b>
	Frequency band	<b>868MHz</b>		Dimensions (L x H x D)	<b>73 x 137 x 39mm</b>
	Modulation	<b>FSK</b>		Weight	<b>119g</b>
<b>Anti-tamper protection</b>	Anti-opening and anti-detachment	<b>Micro-switch</b>	<b>Conformity</b>	Standards	<b>EN 50131-1 EN 50131-3 EN 50131-5-3</b>
	Serial bus sabotage	✓		Security grade	<b>2</b>
	Antijamming	✓		Notified body	<b>IMQ</b>
	Supervision	✓			

							
	<b>Mounting position</b>	A	B	Expansion module with 4 parallel inputs for connecting conventional, RDV® and Zone Bus detectors from Tecnoalarm - Connection with flat cable - Mounting inside the control panel casing			
Item no. F127EVESP4IN							

### EV 4-24 4G - Accessories

	<b>SD CARD 4GB</b>		<b>ANTENNA EXTENSION</b>
	4 GB micro SD memory card for EV 4-24 4G - Storage of 200 sequences of 6 high-resolution photos for each Video Verification detector <b>N.B.</b> Tecnoalarm does not guarantee the correct functioning with other memory cards.		Multi band GSM antenna extension for EV 4-24 4G - Mounting base included - 3m connection cable
Item no. F127EVCARD4GB		Item no. C126PROLANT3MEV	

MOUNTING POSITIONS



EV 4-24 4G

MODELS								
Model	Item no.							
EV 4-24 4G	F101EV4244G-UK			✓	✓		1.9A	✓
EV 4-24 4G EN	F101EV4244GE-UK	Security grade 2		✓	✓		1.9A	✓

COMMUNICATION DEVICES									
Format	Device	TCS	DDNS	E-mail	APP	RDV®	Software	CMS	Supervisor
GSM	On board	✓			✓	✓	TCP/IP	✓	
IP	On board	✓	✓	✓	✓		TCP/IP	✓	

## Wireless extenders

<b>EV EXTENDER BWL</b>								
	<p>Wireless extender for the Evolution systems - Automatic network configuration through EV MOD BWL - Extends the range of the system so as to reach devices outside the normal range of the receiver-transmitter and amplifies the signal so as to minimize the attenuation through the environment, walls or slabs -</p> <p>Integrated RSC® technology: remote programming and management -</p> <p>Anti-tamper protection: anti-opening/antidetachment, supervision, antijamming -</p> <p>Rechargeable NiMH batteries included - Surface mounting -</p> <p>Environmental class II (indoor general) - ABS casing - White</p> <p><b>N.B.</b> Compatible with the Evolution devices with firmware version 2.0 or higher. Does not support the data channel transmission of the video verification detectors.</p>							
Item no. F102EVEXTBWL								

### EV EXTENDER BWL - Technical and functional specifications

<b>General features</b>	Type	<b>EV EXTENDER BWL</b>
	Data channel	<b>No</b>
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>
	Encryption	<b>AES 128bit</b>
	Transmitter-receiver	<b>UHF</b>
	Frequency band	<b>868MHz</b>
<b>Networking</b>	Modulation	<b>FSK</b>
	Setting	<b>Automatic</b>
	Connexion	<b>End-to-end</b>
<b>Anti-tamper protection</b>	Routing	<b>Dynamic</b>
	Anti-opening and anti-detachment	<b>Micro-switch</b>
	Antijamming	<b>✓</b>
	Supervision	<b>✓</b>

<b>Electrical specifications</b>	Operating voltage	<b>4.5V...6V DC</b>
	Medium consumption	<b>60mA @ 5V DC</b>
	Max. consumption	<b>350mA @ 5V DC</b>
	Batteries NiMH	<b>2 x 1.2V</b>
<b>Physical specifications</b>	Environmental class	<b>II</b>
	Protection class	<b>IP3x</b>
	Casing	<b>ABS</b>
	Dimensions (L x H x D)	<b>165 x 110 x 41mm</b>
	Weight	<b>336g</b>
<b>Conformity</b>	Standards	<b>EN 50131-1 EN 50131-3 EN 50131-5-3</b>
	Security grade	<b>2</b>
	Certification	<b>Pending</b>

## Consoles and control units

<b>EV 430 PROX</b>									
	<p>Console with TFT 4.3" capacitive touch screen and integrated RFID reader -                      RS485 connection - Signal LED and acoustic signaling device -                      Interactive and intuitive graphic interface with icons contextual to system status -                      Help function - Free program association - Graphic themes programmable by the user -                      Integrated RSC® technology: remote programming and management -                      Anti-tamper protection: anti-opening/antidetachment, code error, serial bus sabotage -                      Surface mounting - Environmental class II (indoor general) - Ultra-thin ASA casing</p>								
Item no. F127EV430PROX (white) - Please refer to the Sales Department									
Item no. F127EV430PROXG (gray) - Please refer to the Sales Department									

Consoles and control units

### EV 430 PROX - Technical and functional specifications

<b>General features</b>	Type	<b>EV 430 PROX</b>
	RFID reader	<b>Integrated</b>
	Connection	<b>RS485 Serial Bus</b>
<b>User interface</b>	Display	<b>TFT 4.3" colors</b>
	Resolution	<b>480 x 272px</b>
	Touch screen	<b>Capacitive</b>
	Infographics	<b>Icons contextual to system status</b>
	Voice synthesis	✓
	Speaker	✓
	Buzzer signals	✓
	Programs managed	<b>6</b>
Remote controls managed	<b>6</b>	
Thermostats managed	<b>2</b>	

<b>Anti-tamper protection</b>	Anti-opening/anti-detachment	<b>Micro-switch</b>
	Serial bus sabotage	<b>Electronic</b>
	Code error	<b>Electronic</b>
<b>Electrical specifications</b>	Operating voltage	<b>10.5...14V DC</b>
	Stand-by consumption	<b>50mA @ 13.8V DC</b>
	Max. consumption	<b>130mA @ 13.8V DC</b>
<b>Physical specifications</b>	Environmental class	<b>II</b>
	Protection class	<b>IP4x-IPK04</b>
	Casing	<b>ASA</b>
	Dimensions (L x H x D)	<b>154 x 104.6 x 23mm</b>
	Weight	<b>230g</b>
<b>Conformity</b>	Standards	<b>EN 50131-1 EN 50131-3</b>
	Security grade	<b>2</b>
	Notified body	<b>Pending</b>

evolution

### EV 430 PROX - Accessories

	<p><b>EV KEY</b></p> <p>High security transponder for the Evolution series RFID readers -                      Unique non-duplicable nor reprogrammable code -                      ABS casing -                      Design by Pininfarina -                      Gray</p>
Item no. F103EVKEY	

<b>EV LCD</b>								
	<p>Console with graphic LCD and integrated RFID reader -            RS485 connection - Extended keypad with direct commands -            Signal LED and acoustic signaling device - Interactive and intuitive graphic interface with icons contextual to system status - Management of 6 freely associable programs -            Programmable backlight with light sensor -            Integrated RSC® technology: remote programming and management -            Anti-tamper protection: anti-opening/antidetachment, code error, serial bus sabotage -            Surface mounting - Environmental class II (indoor general) - ASA casing -            Design by Pininfarina - White</p>							
Item no. F127EVLCD								

### EV LCD - Technical and functional specifications

<b>General features</b>	Type	<b>EV LCD</b>
	RFID reader	<b>Integrated</b>
	Connection	<b>RS485 Serial Bus</b>
<b>User interface</b>	Display	<b>Graphic</b>
	Infographics	<b>Icons contextual to system status</b>
	Voice synthesis	✓
	Speaker	<b>Multifunction</b>
	Buzzer alerts management	✓
	Programs managed	<b>6</b>
	Remote controls managed	<b>6</b>
Chronothermostat management	✓	
<b>Anti-tamper protection</b>	Anti-opening/antidetachment	<b>Micro-switch</b>

<b>Electrical specifications</b>	Operating voltage	<b>10.5...14V DC</b>
	Stand-by consumption	<b>30mA @ 13.8V DC</b>
	Max. consumption	<b>40mA @ 13.8V DC</b>
<b>Physical specifications</b>	Environmental class	<b>II</b>
	Protection class	<b>IP3x-IPK04</b>
	Casing	<b>ASA</b>
	Dimensions (L x H x D)	<b>150 x 126 x 31mm</b>
	Weight	<b>354g</b>
<b>Conformity</b>	Standards	<b>EN 50131-1 EN 50131-3</b>
	Security grade	<b>2</b>
	Notified body	<b>IMQ</b>

### EV LCD - Accessories

	<p><b>EV KEY</b></p> <p>High security transponder for the Evolution series RFID readers -            Unique non-duplicable nor reprogrammable code -            ABS casing -            Design by Pininfarina -            Gray</p>
Item no. F103EVKEY	

<b>EV LCD-AL BWL</b>	
	<p>2-way wireless console with graphic LCD and integrated RFID reader -                  Extended keypad with direct commands - Signal LED and acoustic signaling device -                  Interactive and intuitive graphic interface with icons contextual to system status -                  Management of 6 freely associable programs - Programmable backlight with light sensor -                  Integrated RSC® technology: remote programming and management -                  Anti-tamper protection: anti-opening/antidetachment, supervision, code error -                  Lithium battery included - Surface mounting - Environmental class II (indoor general) -                  ASA casing - Design by Pininfarina - White</p>
Item no. F102EVLCDALBWL	

### EV LCD-AL BWL - Technical and functional specifications

<b>General features</b>	Type	<b>EV LCD-AL BWL</b>	<b>Electrical specifications</b>	Lithium battery	<b>SOCL2 - 3.6V</b>
	RFID reader	<b>Integrated</b>		Rated voltage external power supply	<b>5V DC</b>
<b>User interface</b>	Display	<b>Graphic</b>	<b>Physical specifications</b>	Battery life	<b>&gt; 2 years</b>
	Infographics	<b>Icons contextual to system status</b>		Environmental class	<b>II</b>
	Buzzer	✓		Protection class	<b>IP3x-IK04</b>
	Buzzer alerts management	✓		Casing	<b>ASA</b>
	Programs managed	<b>6</b>		Dimensions (L x H x D)	<b>150 x 126 x 31mm</b>
	Remote controls managed	<b>6</b>		Weight	<b>400g</b>
<b>Wireless features</b>	Chronothermostat management	✓	<b>Conformity</b>	Standards	<b>EN 50131-1 EN 50131-3 EN 50131-5-3</b>
	Communication protocol	<b>EV@BWL</b>		Security grade	<b>2</b>
	Transmitter-receiver	<b>UHF</b>		Certification	<b>Pending</b>
	Frequency band	<b>868MHz</b>			
<b>Anti-tamper protection</b>	Modulation	<b>FSK</b>			
	Anti-opening and anti-detachment	<b>Micro-switch</b>			
	Supervision	✓			

### EV LCD-AL BWL - Accessories

	<p><b>EV KEY</b></p> <p>High security transponder for the Evolution series RFID readers -                  Unique non-duplicable nor reprogrammable code -                  ABS casing -                  Design by Pininfarina -                  Gray</p>		<p><b>EV AL5V</b></p> <p>External switching power supply for EV LCD-AL BWL -                  0.5A @ 5V DC stabilized output -                  Installation inside junction or switch boxes -                  Polycarbonate V0 casing -                  Black -                  Dimensions (L x H x D) 66 x 35 x 26mm</p>
Item no. F103EVKEY		Item no. F102EVAL5V	

<b>EV LCD BWL</b>								
	<p>2-way wireless console with graphic LCD and integrated RFID reader -                  Extended keypad with direct commands - Signal LED and acoustic signaling device -                  Interactive and intuitive graphic interface with icons contextual to system status -                  Management of 6 freely associable programs - Programmable backlight with light sensor -                  Integrated RSC® technology: remote programming and management -                  Anti-tamper protection: anti-opening/antidetachment, supervision, code error -                  Lithium battery included - Surface mounting - Environmental class II (indoor general) -                  ASA casing - Design by Pininfarina - White</p>							
Item no. F102EVLCDHWL								

### EV LCD BWL - Technical and functional specifications

<b>General features</b>	Type	<b>EV LCD BWL</b>	<b>Anti-tamper protection</b>	Anti-opening and anti-detachment	<b>Micro-switch</b>
	RFID reader	<b>Integrated</b>		Supervision	✓
<b>User interface</b>	Display	<b>Graphic</b>	<b>Electrical specifications</b>	Lithium battery	<b>SOCL2 - 3.6V</b>
	Infographics	<b>Icons contextual to system status</b>		Battery life	<b>&gt; 3 years</b>
	Buzzer	✓	<b>Physical specifications</b>	Environmental class	<b>II</b>
	Buzzer alerts management	<b>No</b>		Protection class	<b>IP3x-IK04</b>
	Programs managed	<b>6</b>		Casing	<b>ASA</b>
	Remote controls managed	<b>6</b>		Dimensions (L x H x D)	<b>150 x 126 x 31mm</b>
	Chronothermostat management	✓		Weight	<b>405g</b>
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>	<b>Conformity</b>	Standards	<b>EN 50131-1 EN 50131-3 EN 50131-5-3</b>
	Transmitter-receiver	<b>UHF</b>		Security grade	<b>2</b>
	Frequency band	<b>868MHz</b>		Notified body	<b>IMQ</b>
	Modulation	<b>FSK</b>			

### EV LCD BWL - Accessories

	<p><b>EV KEY</b></p> <p>High security transponder for the Evolution series RFID readers -                  Unique non-duplicable nor reprogrammable code -                  ABS casing -                  Design by Pininfarina -                  Gray</p>
Item no. F103EVKEY	

<b>EV PROX BWL</b>	
	<p>2-way wireless RFID reader -                      Illuminated switch-on/activation button, 4 Signal LED and acoustic signaling device -                      Management of 3 freely associable programs -                      Integrated RSC® technology: remote programming and management -                      Anti-tamper protection: anti-opening/antidetachment, supervision, key error -                      Lithium battery included - Surface mounting - Environmental class II (indoor general) -                      Ultra-thin ASA casing- White</p>
Item no. F102EVPROXBWL	








### EV PROX BWL - Technical and functional specifications

<b>General features</b>	Model	<b>EV PROX BWL</b>
<b>User interface</b>	Signaling LED	<b>4</b>
	Selection key	<b>Backlit</b>
	Buzzer	<b>✓</b>
	Programs managed	<b>3</b>
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>
	Transmitter-receiver	<b>UHF</b>
	Frequency band	<b>868MHz</b>
	Modulation	<b>FSK</b>
<b>Anti-tamper protection</b>	Anti-opening and anti-detachment	<b>Micro-switch</b>
	Supervision	<b>✓</b>

<b>Electrical specifications</b>	Lithium battery	<b>SOCL2 - 3.6V</b>
	Battery life	<b>&gt; 3 years</b>
<b>Physical specifications</b>	Environmental class	<b>II</b>
	Protection class	<b>IP3x</b>
	Casing	<b>ASA</b>
	Dimensions (L x H x D)	<b>68 x 110 x 25mm</b>
	Weight	<b>144g</b>
<b>Conformity</b>	Standards	<b>EN 50131-1 EN 50131-3 EN 50131-5-3</b>
	Security grade	<b>2</b>
	Certification	<b>Pending</b>

### EV PROX BWL - Accessories

	<p><b>EV KEY</b></p> <p>High security transponder for the Evolution series RFID readers -                      Unique non-duplicable nor reprogrammable code -                      ABS casing -                      Design by Pininfarina -                      Gray</p>
Item no. F103EVKEY	

<b>EV CMD BWL</b>	     
	<p>2-way wireless key - Function programmable: program and/or remote control management - 3 command keys and 1 query key - Programmable attributes - Integrated RSC® technology: remote programming and management - Lithium battery included - ASA casing - White</p>
Item no. F102EVCMBWL	

### EV CMD BWL - Technical and functional specifications

<b>General features</b>	Model	<b>EV CMD BWL</b>	<b>Electrical specifications</b>	Lithium battery	<b>CR2450 - 3V</b>
				Battery life	<b>&gt; 1 year</b>
<b>User interface</b>	Command keys	<b>3</b>	<b>Physical specifications</b>	Casing	<b>ASA</b>
	Query key	<b>1</b>		Dimensions (L x H x D)	<b>48 x 80 x 15mm</b>
	Signaling LED	<b>4</b>		Weight	<b>73g</b>
<b>Programmable functions</b>	Program management	<b>✓</b>	<b>Conformity</b>	Standard	<b>EN 50131-1 EN 50131-3 EN 50131-5-3</b>
	Remote control management	<b>✓</b>		Security grade	<b>2</b>
	Attributes	<b>✓</b>		Notified body	<b>IMQ</b>
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>			
	Transmitter-receiver	<b>UHF</b>			
	Frequency band	<b>868MHz</b>			
	Modulation	<b>FSK</b>			



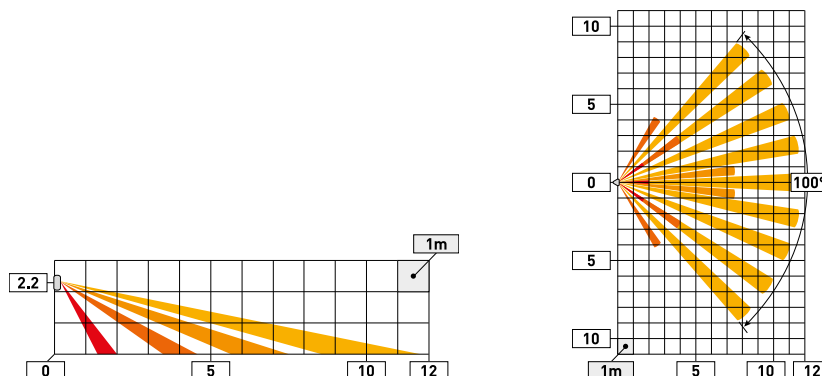
## Detectors for indoor use











<b>EV IRS BWL</b>						
	2-way wireless passive infrared detector - Volumetric protection: 22 infrared beams, 4 levels, 100° coverage, 10m maximum range - Programmable pulse count - Integrated RSC® technology: remote programming and management - Anti-tamper protection: anti-opening/antidetachment, supervision - Lithium battery included - Surface mounting - Environmental class II (indoor general) - ASA casing - Design by Pininfarina - White					
Item no. F102EVIRSBWL						

### EV IRS BWL - Technical and functional specifications

<b>General features</b>	Model	<b>EV IRS BWL</b>	<b>Electrical specifications</b>	Lithium battery	<b>CR2 - 3V</b>
<b>Detection features</b>	Wireless PIR detector	<b>Dual element</b>	<b>Physical specifications</b>	Battery life	<b>&gt; 2 years</b>
	Infrared beams	<b>22</b>		Environmental class	<b>II</b>
	Levels (infrared beams)	<b>4</b>		Protection class	<b>IP4x-IK04</b>
	Coverage	<b>Max. range 10m Coverage 100°</b>		Casing	<b>ASA</b>
	Pulse count	<b>Programmable</b>		Dimensions (L x H x D)	<b>63 x 94 x 42mm</b>
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>	<b>Conformity</b>	Weight	<b>84g</b>
	Transmitter-receiver	<b>UHF</b>		Standards	<b>EN 50131-1 EN 50131-2-2 EN 50131-5-3</b>
	Frequency band	<b>868MHz</b>			Security grade
	Modulation	<b>FSK</b>		Notified body	<b>IMQ</b>
<b>Anti-tamper protection</b>	Anti-opening and anti-detachment	<b>Micro-switch</b>			
	Supervision	✓			

### Coverage diagrams



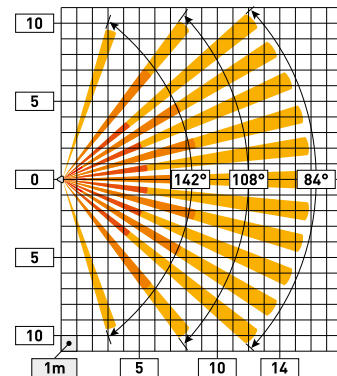
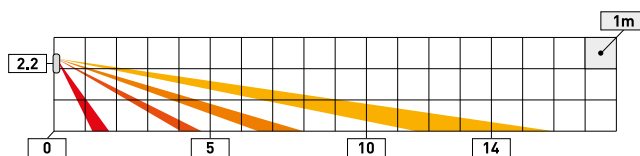
<b>EV IR BWL</b>	        								
	<p>2-way wireless passive infrared detector -                      Volumetric protection: 29 infrared beams, 4 levels, 108° coverage, 14m maximum range -                      Also available with long range, curtain and pet-immune wide angle lens -                      Programmable pulse count -                      Integrated RSC® technology: remote programming and management -                      Anti-tamper protection: anti-opening/antidetachment, supervision - Lithium battery included -                      Surface mounting - Environmental class II (indoor general) - ABS casing -                      Design by Pininfarina - White</p>								
	<table border="1"> <tr> <td><b>EV IR BWL/V</b></td> <td>Item no. F102EVIRBWL/V (wide angle)</td> </tr> <tr> <td><b>EV IR BWL/C</b></td> <td>Item no. F102EVIRBWL/C (long range)</td> </tr> <tr> <td><b>EV IR BWL/T</b></td> <td>Item no. F102EVIRBWL/T (curtain)</td> </tr> <tr> <td><b>EV IR BWL/PET</b></td> <td>Item no. F102EVIRBWL/PET (pet-immunity)</td> </tr> </table>	<b>EV IR BWL/V</b>	Item no. F102EVIRBWL/V (wide angle)	<b>EV IR BWL/C</b>	Item no. F102EVIRBWL/C (long range)	<b>EV IR BWL/T</b>	Item no. F102EVIRBWL/T (curtain)	<b>EV IR BWL/PET</b>	Item no. F102EVIRBWL/PET (pet-immunity)
<b>EV IR BWL/V</b>	Item no. F102EVIRBWL/V (wide angle)								
<b>EV IR BWL/C</b>	Item no. F102EVIRBWL/C (long range)								
<b>EV IR BWL/T</b>	Item no. F102EVIRBWL/T (curtain)								
<b>EV IR BWL/PET</b>	Item no. F102EVIRBWL/PET (pet-immunity)								

### EV IR BWL - Technical and functional specifications

<b>General features</b>	Model	<b>EV IR BWL</b>
<b>Detection features</b>	Infrared beams	<b>Dual element</b>
	Zone sensibili	<b>29</b>
	Levels (infrared beams)	<b>4</b>
	Coverage	<b>Max. range 14m Coverage 108°</b>
	Pulse count	<b>Programmable</b>
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>
	Transmitter-receiver	<b>UHF</b>
	Frequency band	<b>868MHz</b>
	Modulation	<b>FSK</b>
<b>Anti-tamper protection</b>	Anti-opening and anti-detachment	<b>Micro-switch</b>
	Supervision	<b>✓</b>

<b>Electrical specifications</b>	Lithium battery	<b>SOCL2 - 3.6V</b>
	Battery life	<b>&gt; 4 years</b>
<b>Physical specifications</b>	Environmental class	<b>II</b>
	Protection class	<b>IP4x-IK04</b>
	Casing	<b>ABS</b>
	Dimensions (L x H x D)	<b>68 x 118 x 51mm</b>
	Weight	<b>141g</b>
<b>Conformity</b>	Standards	<b>EN 50131-1 EN 50131-2-2 EN 50131-5-3</b>
	Security grade	<b>2</b>
	Notified body	<b>IMQ</b>

Coverage diagrams  
(EV IR BWL/V)





<b>EV IRSPACE BWL</b>							
	2-way wireless passive infrared detector - Volumetric protection: 28 infrared beams, 4 circles, 360° coverage, 5m maximum range - Programmable pulse count - Integrated RSC® technology: remote programming and management - Anti-tamper protection: anti-opening/antidetachment, supervision - Lithium battery included - Surface ceiling mount - Environmental class II (indoor general) - ASA casing - White						
Item no. F102EVIRSPACBWL							

Detectors for indoor use

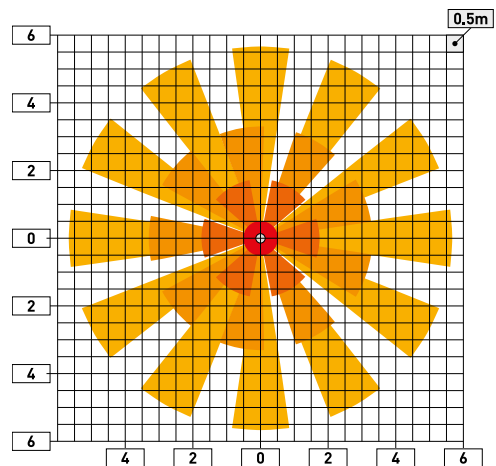
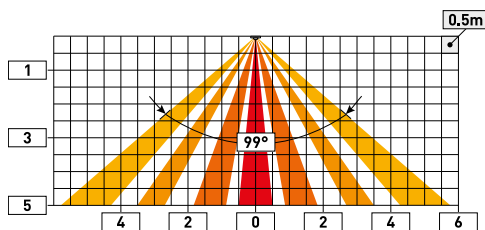
### EV IRSPACE BWL - Technical and functional specifications

<b>General features</b>	Model	<b>EV IRSPACE BWL</b>
<b>Detection features</b>	Wireless PIR detector	<b>Dual element</b>
	Infrared beams	<b>28</b>
	Levels (infrared beams)	<b>4</b>
	Coverage	<b>H 360°, V 99°, 5m range</b>
	Pulse count	<b>Programmable</b>
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>
	Transmitter-receiver	<b>UHF</b>
	Frequency band	<b>868MHz</b>
	Modulation	<b>FSK</b>
<b>Anti-tamper protection</b>	Anti-opening and anti-detachment	<b>Micro-switch</b>
	Supervision	<b>✓</b>

<b>Electrical specifications</b>	Lithium battery	<b>SOCL2 - 3.6V</b>
	Battery life	<b>&gt; 4 years</b>
<b>Physical specifications</b>	Environmental class	<b>II</b>
	Protection class	<b>IP4x-IK04</b>
	Casing	<b>ASA</b>
	Dimensions (Ø x H)	<b>104 x 40mm</b>
	Weight	<b>175g</b>
<b>Conformity</b>	Standards	<b>EN 50131-1 EN 50131-2-2 EN 50131-5-3</b>
	Security grade	<b>2</b>
	Certification	<b>Pending</b>

evolution

#### Coverage diagrams



**EV CAM BWL**



2-way wireless passive infrared detector with integrated camera -  
 Volumetric protection: 29 infrared beams, 4 levels, 108° coverage, 14m maximum range -  
 Programmable pulse count -  
 Camera: 120° coverage, 10m depth of field, trigger subject to infrared detection - Photo storage on control panel (micro SD) - Photo viewing and remote trigger through Evolution app -  
 Integrated RSC® technology: remote programming and management -  
 Anti-tamper protection: anti-opening/antidetachment, supervision - Lithium battery included -  
 Surface mounting - Environmental class II (indoor general) -  
 ABS casing - Design by Pininfarina - White

**EV CAM BWL** Item no. F102EVCAMBWL (wide angle)

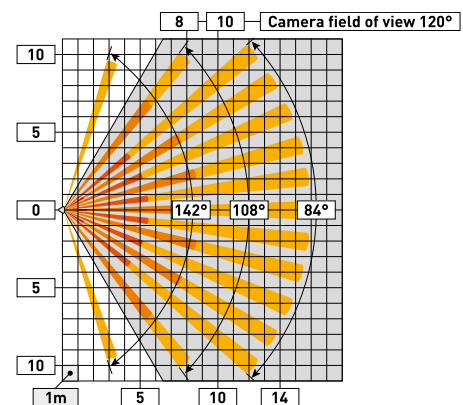
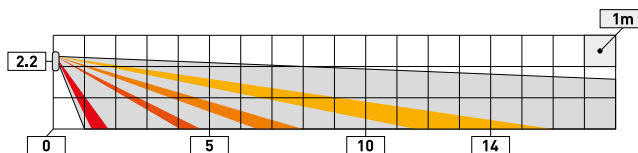
**EV CAM BWL/PET** Item no. F102EVCAMBWLPET (pet-immunity)

**EV CAM BWL - Technical and functional specifications**

General features	Model	EV CAM BWL
<b>Detection features</b>	Wireless PIR detector	<b>Dual element</b>
	Infrared beams	<b>29</b>
	Levels (infrared beams)	<b>4</b>
	Coverage	<b>Max. range 14m Coverage 108°</b>
	Pulse count	<b>Programmable</b>
<b>Camera features</b>	Coverage	<b>10m - 120°</b>
	Integrated illuminator	<b>White light</b>
	Resolution	<b>Programmable</b>
	Photo per event	<b>1 to 6</b>
	Events per session	<b>1 to 10</b>
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>
	Transmitter-receiver	<b>UHF</b>
	Frequency band	<b>868MHz</b>
	Modulation	<b>FSK</b>

<b>Anti-tamper protection</b>	Anti-opening and anti-detachment	<b>Micro-switch</b>
	Supervision	✓
<b>Electrical specifications</b>	Lithium battery	<b>2x CR17335 - 3V</b>
	Battery life	<b>&gt; 2 years</b>
<b>Physical specifications</b>	Environmental class	<b>II</b>
	Protection class	<b>IP4x-IK04</b>
	Casing	<b>ABS</b>
	Dimensions (L x H x D)	<b>68 x 119 x 63mm</b>
	Weight	<b>181g</b>
<b>Conformity</b>	Standards	<b>EN 50131-1 EN 50131-2-2 EN 50131-5-3</b>
	Security grade	<b>2</b>
	Notified body	<b>IMQ</b>

**Coverage diagrams**



**EV CAM BWL - Accessories**



**SNODO 2000**



Swivel mounting bracket with  $\pm 45^\circ$  horiz./ $15^\circ$  vert. orientation - Surface mounting - Anti-tamper protection: anti-opening/antidetachment - Approved for certified detectors

Item no. F102SNODO2000

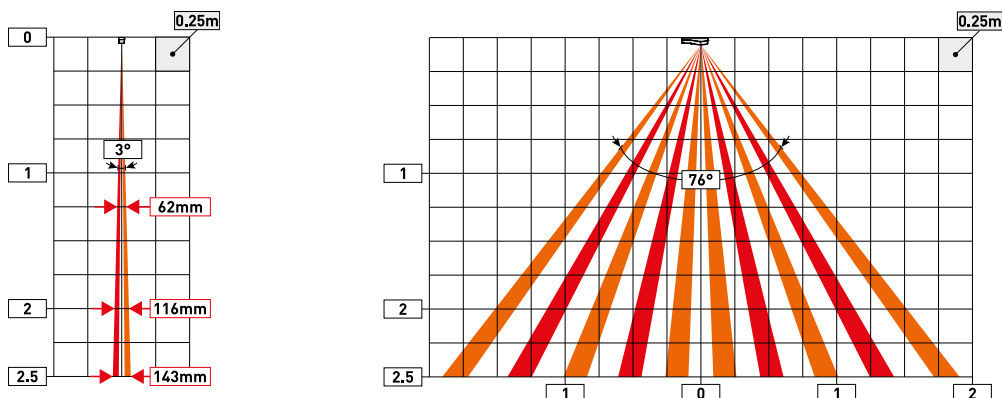
INDOOR

<b>EV DRED BWL</b>									
	2-way wireless detector for protection of openings, windows and doors - 2 independent detection units (dual ID): dual PIR element (ID1), internal contact and/or input for external device (ID2) - Volumetric protection: 10 infrared beams, 2 levels, coverage 76° on the horizontal, 3° on the vertical plane, 2.5m maximum range - Programmable pulse count - AND detection logic with dynamic algorithm - Automatic temperature compensation - External device: magnetic contact, rope contact or vibration detector - Integrated RSC® technology: remote programming and management - Anti-tamper protection: anti-opening/antidetachment, supervision - Lithium battery included - Surface mounting - Environmental class II (indoor general) - ASA casing								
	<b>EV DRED BWL</b>		Item no. F102EVDREDBWL (white)						
	<b>EV DRED BWL/M</b>		Item no. F102EVDREDBWLM (brown)						

## EV DRED BWL - Technical and functional specifications

<b>General features</b>	Model	<b>EV DRED BWL</b>	<b>Anti-tamper protection</b>	Anti-opening and anti-detachment	<b>Micro-switch</b>
	Two independent units	<b>ID1 and ID2</b>		Supervision	✓
<b>Detection features ID1 IR+IR</b>	Wireless PIR detector	<b>2 dual elements</b>	<b>Electrical specifications</b>	Lithium battery	<b>SOCL2 - 3.6V</b>
	Infrared beams	<b>10</b>		Battery life	<b>&gt; 3 years</b>
	Levels (infrared beams)	<b>2</b>	<b>Physical specifications</b>	Environmental class	<b>II</b>
	Coverage	<b>H 76°, V3°, 2.5m range</b>		Protection class	<b>IP4x-IK04</b>
	Detection logic	<b>Dynamic AND</b>		Casing	<b>ASA</b>
	Programmable detection parameters for each IR	<b>Pulse count, delay, interval</b>		Dimensions (L x H x D)	<b>168 x 46 x 30mm</b>
Temperature compensation	<b>Automatic</b>	Weight	<b>160g</b>		
<b>Detection features ID2 Contact</b>	Contact	<b>Reed</b>	<b>Conformity</b>	Standards	<b>EN 50131-1 EN 50131-2-2 EN 50131-5-3</b>
	Input external contact	<b>Magnetic contact Rope contact Vibration detector</b>		Security grade	<b>2</b>
	Filter	<b>Programmable</b>		Notified body	<b>IMQ</b>
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>			
	Transmitter-receiver	<b>UHF</b>			
	Frequency band	<b>868MHz</b>			
	Modulation	<b>FSK</b>			

## Coverage diagrams

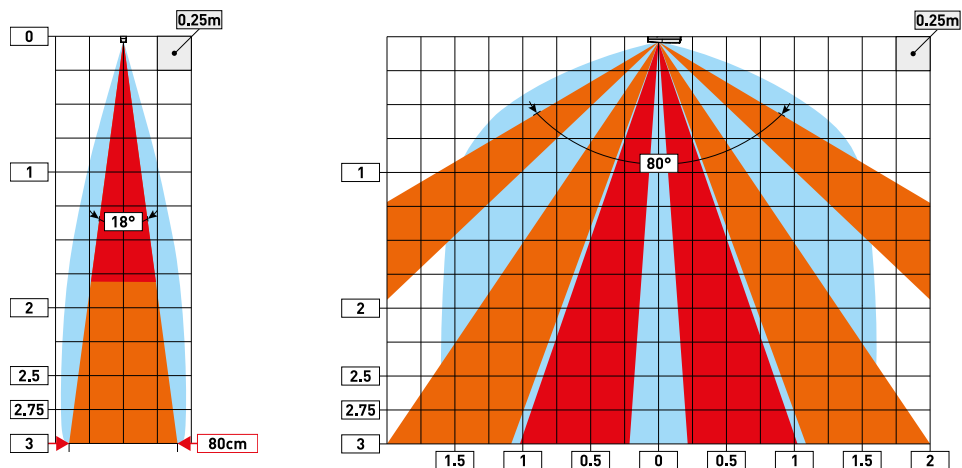


<b>EV REDWAVE BWL</b>									
	<p>2-way wireless detector for protection of openings, windows and doors -                  2 independent detection units (dual ID): dual PIR + microwave element (ID1), internal contact and/or input for external device (ID2) -                  Volumetric protection: 6 infrared beams, 1 level, coverage 80° on the horizontal, 18° on the vertical plane, 3m maximum range - Programmable pulse count - AND detection logic - Automatic temperature compensation -                  External device: magnetic contact, rope contact or vibration detector -                  Integrated RSC® technology: remote programming and management -                  Anti-tamper protection: anti-opening/antidetachment, supervision - Lithium battery included -                  Surface mounting - Environmental class II (indoor general) - ASA casing</p>								
<b>EV REDWAVE BWL</b>		Item no. F102EVREDWABWL (white)							
<b>EV REDWAVE BWL/M</b>		Item no. F102EVREDWABWLM (brown)							

### EV REDWAVE BWL - Technical and functional specifications

<b>General features</b>	Model	<b>EV REDWAVE BWL</b>	<b>Anti-tamper protection</b>	Anti-opening and anti-detachment	<b>Micro-switch</b>
	Two independent units	<b>ID1 and ID2</b>		Supervision	✓
<b>Detection features ID1 IR+MW</b>	Wireless PIR detector	<b>Dual element</b>	<b>Electrical specifications</b>	Lithium battery	<b>SOCL2 - 3.6V</b>
	Infrared beams	<b>6</b>		Battery life	<b>&gt; 3.5 years</b>
	Levels (infrared beams)	<b>1</b>	<b>Physical specifications</b>	Environmental class	<b>II</b>
	MW frequency	<b>24GHz</b>		Protection class	<b>IP4x-IPK04</b>
	Coverage	<b>H 80°, V 18°, 3m range</b>		Casing	<b>ASA</b>
	Detection logic	<b>Dynamic AND</b>		Dimensions (L x H x D)	<b>180 x 33 x 32mm</b>
	Programmable detection parameters	<b>Pulse count, delay, sensitivity</b>		Weight	<b>144g</b>
Temperature compensation	<b>Automatic</b>	<b>Conformity</b>	Standards	<b>EN 50131-1 EN 50131-2-4 EN 50131-5-3</b>	
<b>Detection features ID2 Contact</b>	Contact		<b>Reed</b>	Security grade	<b>2</b>
	Input external contact		<b>Magnetic contact Rope contact Vibration detector</b>	Certification	<b>Pending</b>
	Filter	<b>Programmable</b>			
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>			
	Transmitter-receiver	<b>UHF</b>			
	Frequency band	<b>868MHz</b>			
	Modulation	<b>FSK</b>			

#### Coverage diagrams





<b>EV TX BWL</b>							
	2-way wireless magnetic contact for protection of openings, windows and doors - 2 independent detection units (dual ID): internal dual reed contact and/or input for external device (ID1), input for external device (ID2) - Internal dual reed contact permits the installation of the magnet on either side of the casing - External device: magnetic contact, rope contact or vibration detector - Integrated RSC® technology: remote programming and management - Anti-tamper protection: anti-opening/antidetachment, supervision - Lithium battery included - Surface mounting - Environmental class II (indoor general) - ABS/ASA casing						
	<b>EV TX BWL</b>	Item no. F102EVTXBWL (white)					
	<b>EV TX BWL/M</b>	Item no. F102EVTXBWLM (brown)					

**EV TX BWL - Technical and functional specifications**

<b>General features</b>	Type	<b>EV TX BWL</b>
	Two independent units	<b>ID1 and ID2</b>
<b>Detection features</b>	Reed (ID1)	<b>Excludable</b>
	2 inputs for external devices (ID1 + ID2)	<b>Magnetic contact</b> <b>Rope contact</b> <b>Vibration detector</b>
	Filter	<b>Programmable</b>
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>
	Transmitter-receiver	<b>UHF</b>
	Frequency band	<b>868MHz</b>
	Modulation	<b>FSK</b>
<b>Anti-tamper protection</b>	Anti-opening and anti-detachment	<b>Micro-switch</b>
	Supervision	✓

<b>Electrical specifications</b>	Lithium battery	<b>CR2 - 3V</b>
	Battery life	<b>&gt; 4 years</b>
<b>Physical specifications</b>	Environmental class	<b>II</b>
	Protection class	<b>IP3x-IK04</b>
	Casing	<b>ABS/ASA</b>
	Dimensions (L x H x D)	<b>121 x 25 x 28mm</b>
	Weight	<b>95g</b>
<b>Conformity</b>	Standards	<b>EN 50131-1</b> <b>EN 50131-2-6</b> <b>EN 50131-5-3</b>
	Security grade	<b>2</b>
	Notified body	<b>IMQ</b>











<b>EV TXS BWL</b>							
	2-way wireless magnetic contact for protection of openings, windows and doors - Internal dual reed contact permits the installation of the magnet on either side of the casing - Integrated RSC® technology: remote programming and management - Anti-tamper protection: anti-opening/antidetachment, supervision - Lithium battery included - Surface mounting - Environmental class II (indoor general) - ABS/ASA casing						
	<b>EV TXS BWL</b>	Item no. F102EVTXSBWL (white)					
	<b>EV TXS BWL/M</b>	Item no. F102EVTXSBWLM (brown)					

**EV TXS BWL - Technical and functional specifications**

<b>General features</b>	Type	<b>EV TXS BWL</b>
	Contact	<b>Reed</b>
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>
	Transmitter-receiver	<b>UHF</b>
	Frequency band	<b>868MHz</b>
	Modulation	<b>FSK</b>
<b>Anti-tamper protection</b>	Anti-opening and anti-detachment	<b>Micro-switch</b>
	Supervision	✓

<b>Electrical specifications</b>	Lithium battery	<b>CR2 - 3V</b>
	Battery life	<b>&gt; 4 years</b>
<b>Physical specifications</b>	Environmental class	<b>II</b>
	Protection class	<b>IP3x-IK04</b>
	Casing	<b>ABS/ASA</b>
	Dimensions (L x H x D)	<b>91 x 25 x 28mm</b>
	Weight	<b>80g</b>
<b>Conformity</b>	Standards	<b>EN 50131-1</b> <b>EN 50131-2-6</b> <b>EN 50131-5-3</b>
	Security grade	<b>2</b>
	Notified body	<b>IMQ</b>

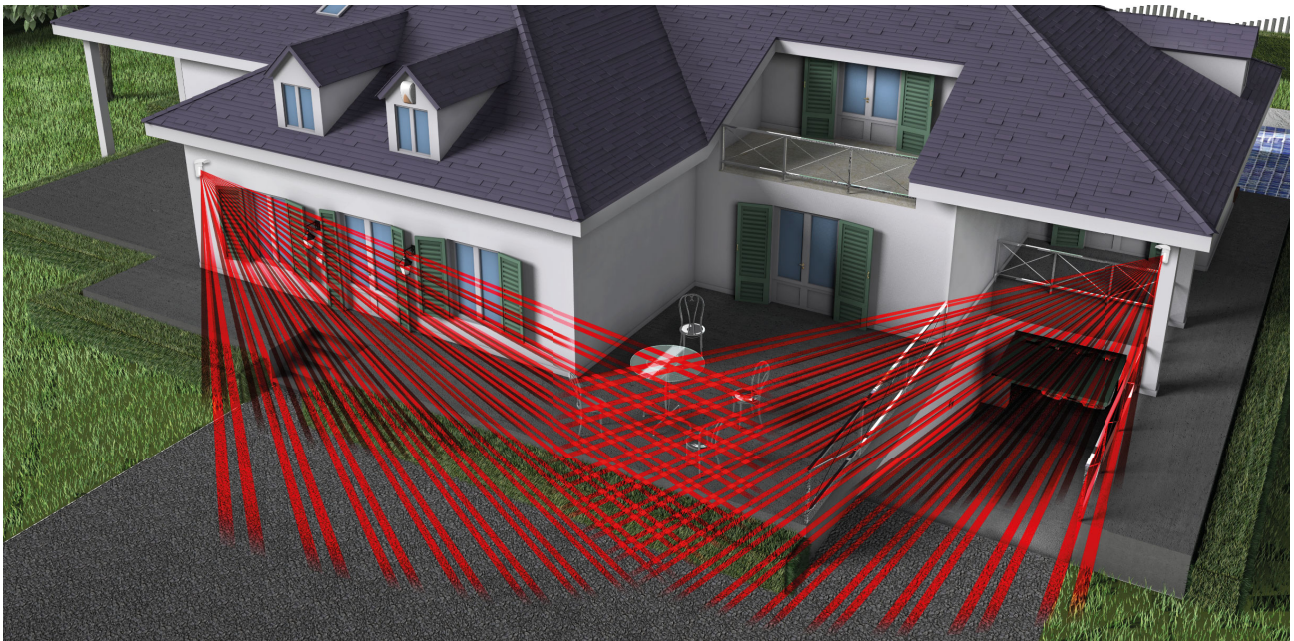
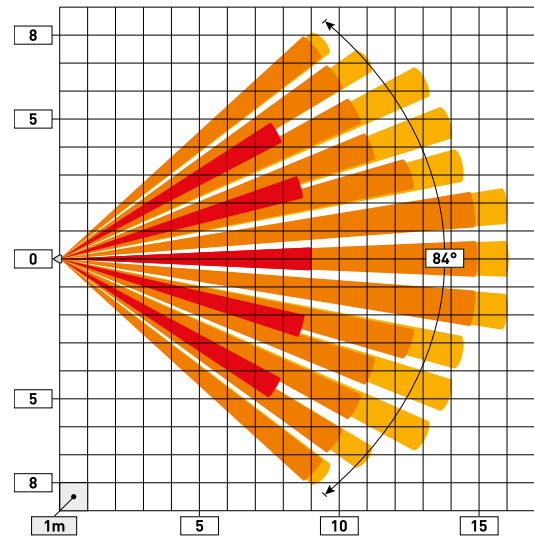
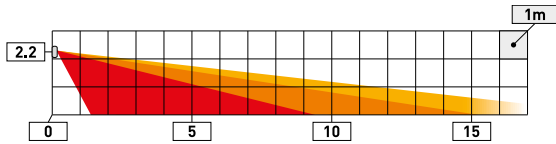
## Detectors for outdoor use

<b>EV GLOB BWL</b>									
	<p>2-way wireless passive infrared detector -                      High-density volumetric protection with multi-point technology: 43 infrared beams, 5 level, 15m maximum range - Coverage adjustable with lens shutter -                      AND/OR detection logic with 3 standard and 7 custom settings -                      Pulse count, delay and sensitivity programmable for each infrared element -                      Automatic temperature compensation - Antimasking protection -                      Coverage test with acoustic signaling device -                      Integrated RSC® technology: remote programming and management -                      Great versatility of installation thanks to a comprehensive range of accessories -                      Anti-tamper protection: anti-opening/antidetachment, supervision -                      Lithium battery included - Surface mounting -                      Environmental class III (indoor and sheltered outdoor) - ASA casing - White</p>								
Item no. F102EVGLOBBWL									

### EV GLOB BWL - Technical and functional specifications

<b>General features</b>	Model	<b>EV GLOB BWL</b>	<b>Anti-tamper protection</b>	Anti-opening and anti-detachment	<b>Micro-switch</b>
<b>Detection features</b>	Wireless triple PIR detector	<b>3 dual elements</b>	<b>Electrical specifications</b>	Antimasking	<b>Programmable</b>
	Infrared beams	<b>43</b>		Supervision	✓
	Levels (infrared beams)	<b>5</b>		<b>Physical specifications</b>	Environmental class
	Coverage	<b>84°, 15m range</b>	Protection class		<b>IP44-IK04</b>
	Adjustable coverage	<b>Shutter</b>	Casing	<b>ASA</b>	
	Standard detection logic	<b>3 AND programmed</b>	Dimensions (L x H x D)	<b>76 x 192 x 83mm</b>	
	Custom detection logic	<b>7 AND-OR programmable</b>	Weight	<b>400g</b>	
	Programmable detection parameters for each IR	<b>Pulse count, delay, sensitivity</b>	<b>Conformity</b>	Standard	<b>EN 50131-1 EN 50131-2-2 EN 50131-5-3</b>
Temperature compensation	<b>Automatic</b>	Security grade		<b>2</b>	
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>		Notified body	<b>IMQ</b>
	Transmitter-receiver	<b>UHF</b>			
	Frequency band	<b>868MHz</b>			
	Modulation	<b>FSK</b>			

Coverage diagrams



EV GLOB BWL - Accessories



**CORNER MOUNTING BRACKET**

Corner mounting bracket for wall mounting with 22.5° or 45° angle - ASA - White

Item no. F102STAFFAGLOB



**RAIN COVER**

Rain cover for protection against bad weather and sunlight - ASA - White - Dimensions (L x H x D) 136 x 58 x 162mm

Item no. F102GLOCALOTTA










**SNODO GLOBAL SPACE**

Swivel mounting bracket with ± 90° horiz./10° vert. orientation - Surface mounting - Anti-tamper protection: antidetachment

Item no. F102SNODOGLOB






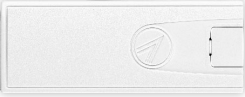
## Optical smoke detectors

<b>EV SMK BWL</b>	     
	<p>2-way wireless optical smoke detector - Tyndall effect - Sensitivity programmable on 3 levels - Excludable signal LED - Integrated RSC® technology: remote programming and management - Anti-tamper protection: supervision - Lithium battery included - Surface ceiling mount - Environmental class II (indoor general) - ABS casing - White</p>
Item no. F102EVSMKBWL	

### EV SMK BWL - Technical and functional specifications

<b>General features</b>	Type	<b>EV SMK BWL</b>	<b>Anti-tamper protection</b>	Supervision	✓
<b>Detection features</b>	Detection technology	<b>Tyndall effect</b>	<b>Electrical specifications</b>	Lithium battery	<b>SOCL2 - 3.6V</b>
	Sensitivity	<b>Programmable</b>		Battery life	<b>&gt; 2 years</b>
	Coverage	<b>5m</b>	<b>Physical specifications</b>	Environmental class	<b>II</b>
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>		Protection class	<b>IP22-1K02</b>
	Transmitter-receiver	<b>UHF</b>		Casing	<b>ABS</b>
	Frequency band	<b>868MHz</b>		Dimensions (Ø x H)	<b>100 x 55</b>
	Modulation	<b>FSK</b>		Weight	<b>239g</b>

## Temperature and humidity detectors

<b>EV TERM BWL</b>	    
	<p>2-way wireless temperature and humidity detector - Operating as a probe for the 2-zone thermostat of the system - The thermostat uses the temperature and humidity values captured by the detector to activate the outputs that manage the heating and air-conditioning system - Integrated RSC® technology: remote programming and management - Anti-tamper protection: supervision - Lithium battery included - Surface mounting - Environmental class II (indoor general) - ASA casing - White</p>
Item no. F102EVTERMBWL	

### EV TERM BWL - Technical and functional specifications

<b>General features</b>	Type	<b>EV TERM BWL</b>	<b>Anti-tamper protection</b>	Supervision	✓
<b>Detection features</b>	Temperature	✓	<b>Electrical specifications</b>	Lithium battery	<b>CR2032 - 3V</b>
	Humidity	✓		Battery life	<b>&gt; 3 years</b>
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>	<b>Physical specifications</b>	Environmental class	<b>II</b>
	Transmitter-receiver	<b>UHF</b>		Protection class	<b>IP3x-1K02</b>
	Frequency band	<b>868MHz</b>		Casing	<b>ASA</b>
	Modulation	<b>FSK</b>		Dimensions (L x H x D)	<b>75 x 28.5 x 16.5mm</b>
				Weight	<b>34g</b>

## Output expansions

<b>EV OUTRP BWL</b>	
	2-way wireless expansion module with 1 programmable relay output with potential-free contact (16A @ 250V AC) - 230V AC power supply - Integrated RSC® technology: remote programming and management - Anti-tamper protection: supervision - Lithium battery included - Surface mounting - Environmental class II (indoor general) - PC casing - Black
Item no. F127EVOUTRPBWL	

### EV OUTRP BWL - Technical and functional specifications











<b>General features</b>	Type	<b>EV OUTRP BWL</b>	<b>Anti-tamper protection</b>	Supervision	✓
<b>Programmable output</b>	Relay 250V AC 16A	<b>1</b>	<b>Physical specifications</b>	Environmental class	<b>II</b>
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>		Casing	<b>PC V0</b>
	Transmitter-receiver	<b>UHF</b>		Dimensions (L x H x D)	<b>71 x 28 x 47mm</b>
	Frequency band	<b>868MHz</b>		Weight	<b>45g</b>
	Modulation	<b>FSK</b>			
<b>Electrical specifications</b>	Power supply	<b>230V AC</b>	<b>Conformity</b>	Standards	<b>EN 50131-1 EN 50131-3 EN 50131-5-3</b>
	Max. consumption	<b>10mA @ 230V AC</b>		Security grade	<b>2</b>
	Backup	<b>No</b>		Certification	<b>Pending</b>

<b>EV OUT5RP BWL</b>	
	2-way wireless expansion module with 5 programmable relay outputs with potential-free contact - 3 signal relays (0.3A @ 24V DC), 2 power relays (16A @ 250V AC) - 12V DC external power supply Integrated RSC® technology: remote programming and management - Anti-tamper protection: retrofittable with tamper switch, supervision - Surface mounting on the wall or on DIN bar - Environmental class II (indoor general) - ABS casing - White
Item no. F127EVOUT5RPBWL	

### EV OUT5RP BWL - Technical and functional specifications

<b>General features</b>	Type	<b>EV OUT5RP BWL</b>	<b>Anti-tamper protection</b>	Anti-opening and anti-detachment	✓
<b>Programmable outputs</b>	Relay 250V AC 16A	<b>2</b>	Supervision	✓	
	Relay 24V DC 0.3A	<b>3</b>	<b>Physical specifications</b>	Environmental class	<b>II</b>
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>		Casing	<b>ABS V0</b>
	Transmitter-receiver	<b>UHF</b>		Dimensions (L x H x D)	<b>144 x 92 x 38.5mm</b>
	Frequency band	<b>868MHz</b>		Weight	<b>275g</b>
	Modulation	<b>FSK</b>			
<b>Electrical specifications</b>	Operating voltage	<b>10.5...15V DC</b>	<b>Conformity</b>	Standards	<b>EN 50131-1 EN 50131-3 EN 50131-5-3</b>
	Max. consumption	<b>155mA @ 12V DC</b>		Security grade	<b>2</b>
	Backup	<b>No</b>		Notified body	<b>IMQ</b>

## Indoor sirens

<p><b>EV SIREL BWL</b></p>									
	<p>2-way wireless piezoelectric siren for indoor use - Sound level: 98dB @ 1m -            Settings: free program-siren association, volume, prealarm, alarm and technical alarm signaling -            Self test: transceiver and horn -            Integrated RSC® technology: remote programming and management -            Anti-tamper protection: anti-opening/antidetachment, supervision -            Lithium battery included - Surface mounting -            Environmental class II (indoor general) - ASA casing - Design by Pininfarina - White</p>								
<p>Item no. F102EVSIRELBWL</p>									

### EV SIREL BWL - Technical and functional specifications

General features	Type	EV SIREL BWL	Test functions	Check	Transmitter-receiver Horn
Acoustic specifications	Sound level (main axis)	<b>98dB(A) @ 1m</b>	Electrical specifications	Lithium battery	<b>SOCL2 - 3.6V</b>
	Frequency	<b>1000 ÷ 1460Hz</b>		Battery life	<b>&gt; 4 years</b>
Programmable functions	Program association	<b>Programmable</b>	Physical specifications	Environmental class	<b>II</b>
	Siren mode	<b>Indoor / Outdoor</b>		Protection class	<b>IP3x-IK06</b>
	Signaling volume	<b>4 settings</b>		Casing	<b>ASA</b>
	Signaling modes	<b>Alarm Technical alarm Prealarm</b>		Dimensions (L x H x D)	<b>105 x 160 x 44mm</b>
				Weight	<b>242g</b>
Wireless features	Communication protocol	<b>EV@BWL</b>	Conformity	Standard	<b>EN 50131-1 EN 50131-4 EN 50131-5-3</b>
	Transmitter-receiver	<b>UHF</b>		Security grade	<b>2</b>
	Frequency band	<b>868MHz</b>		Notified body	<b>IMQ</b>
	Modulation	<b>FSK</b>			
Anti-tamper protection	Anti-opening and anti-detachment	<b>Micro-switch</b>			
	Supervision	✓			



## Outdoor sirens

<b>EV SAEL BWL</b>									
	2-way wireless piezoelectric siren for outdoor use - Sound level: 100dB @ 1m - LED flashlight - Settings: free program-siren association, volume, prealarm, alarm, technical alarm and chime signaling - System status signal - Self test: transceiver, horn and flashlight - Integrated RSC® technology: remote programming and management - Anti-tamper protection: anti-opening/antidetachment, supervision - Lithium battery included - Surface mounting - Environmental class III (indoor and sheltered outdoor) - Casing: ABS base, ASA cover - Design by Pininfarina - White								
Item no. F102EVSaelBWL									

Outdoor sirens

### EV SAEL BWL - Technical and functional specifications

<b>General features</b>	Type	<b>EV SAEL BWL</b>	<b>Test functions</b>	Check	<b>Transmitter-receiver Horn Flashlight</b>
<b>Acoustic specifications</b>	Sound level (main axis)	<b>100dB(A) @ 1m</b>	<b>Electrical specifications</b>	Lithium battery	<b>SOCL2 - 3.6V</b>
	Frequency	<b>1050 ÷ 2950Hz</b>		Battery life	<b>&gt; 3 years</b>
<b>Programmable functions</b>	Program association	<b>Programmable</b>	<b>Physical specifications</b>	Environmental class	<b>III</b>
	Siren mode	<b>Indoor / Outdoor</b>		Protection class	<b>IP43-IPK07</b>
	Signaling volume	<b>4 settings</b>		Casing	<b>ABS + ASA</b>
	Sound types	<b>3 modes</b>		Dimensions (L x H x D)	<b>169 x 252 x 80mm</b>
	Signaling modes	<b>Alarm Technical alarm Prealarm Chime</b>		Weight	<b>879g</b>
<b>Wireless features</b>	Communication protocol	<b>EV@BWL</b>	<b>Conformity</b>	Standard	<b>EN 50131-1 EN 50131-4 EN 50131-5-3</b>
	Transmitter-receiver	<b>UHF</b>		Security grade	<b>2</b>
	Frequency band	<b>868MHz</b>		Notified body	<b>IMQ</b>
	Modulation	<b>FSK</b>			
<b>Anti-tamper protection</b>	Anti-opening and anti-detachment	<b>Micro-switch</b>			
	Supervision	<b>✓</b>			

evolution

## Serial input expansions

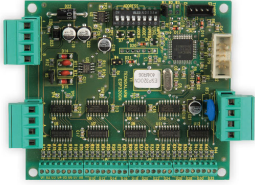
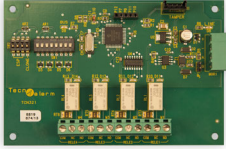
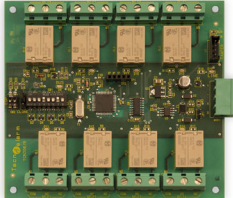
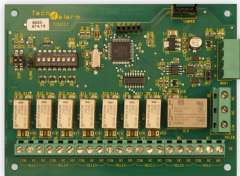
<b>SPEED 4-140C</b>					
	Input/output expansion - RS485 connection - 4 inputs connecting conventional, RDV® and Zone Bus detectors from Tecnoalarm - 14 programmable open-collector outputs - Anti-tamper protection: retrofittable with tamper switch, serial bus sabotage <b>N.B.</b> Compatible C80 casing is optional				
Item no. F101SPEED4140C					

<b>SPEED 4</b>					
	Input/output expansion - RS485 connection - 4 inputs connecting conventional, RDV® and Zone Bus detectors from Tecnoalarm - 1 programmable open-collector output - Anti-tamper protection: retrofittable with tamper switch, serial bus sabotage <b>N.B.</b> Compatible C100P or C90 casings are optional				
Item no. F101SPEED4					

### SERIAL INPUT EXPANSIONS - Accessories

	<b>C100P</b> Casing - Design by Pininfarina - Dimensions (L x H x D) 270 x 156 x 68mm - ABS - White Item no. C110C100P		<b>C90</b> Casing - Dimensions (L x H x D) 165 x 110 x 41mm - ABS - White Item no. C110C90
			<b>C80</b> Casing - Dimensions (L x H x D) 140 x 92 x 38mm - ABS - White Item no. C110C80

## Serial output expansions

<p><b>ESP32-OCN</b></p>		<p><b>16</b> O.C. OUTPUTS</p>	<p>SECURITY GRADE <b>2</b></p>	<p>CLASS II GENERAL INDOOR</p>	
	<p>Expansion module with 32 programmable open-collector outputs - RS485 connection - Anti-tamper protection: retrofittable with tamper switch, serial bus sabotage <b>N.B.</b> The control panel manages a total of 16 outputs</p>				
<p>Item no. F127ESP32OCN</p>					
<p><b>ESP 4RS</b></p>		<p><b>4</b> OUTPUTS 0.3A 24V DC</p>	<p>SECURITY GRADE <b>2</b></p>	<p>CLASS II GENERAL INDOOR</p>	
	<p>Expansion module with 4 programmable relay outputs with potential-free contact - 4 signal relays (0.3A @ 24V DC) - RS485 connection - Address cloning possible - Anti-tamper protection: retrofittable with tamper switch, serial bus sabotage</p>				
<p>Item no. F127ESP4RS</p>					
<p><b>ESP 8RP</b></p>		<p><b>8</b> OUTPUTS 4A 250V AC</p>	<p>SECURITY GRADE <b>2</b></p>	<p>CLASS II GENERAL INDOOR</p>	
	<p>Expansion module with 8 programmable relay outputs with potential-free contact - 8 power relays (4A @ 250V AC) - RS485 connection - Address cloning possible - Anti-tamper protection: retrofittable with tamper switch, serial bus sabotage</p>				
<p>Item no. F127ESP8RP</p>					
<p><b>ESP 8RSP</b></p>		<p><b>7</b> OUTPUTS 0.3A 24V DC</p>	<p><b>1</b> OUTPUTS 4A 250V AC</p>	<p>SECURITY GRADE <b>2</b></p>	<p>CLASS II GENERAL INDOOR</p>
	<p>Expansion module with 8 programmable relay outputs with potential-free contact - 7 signal relays (0.3A @ 24V DC) - 1 power relay (4A @ 250V AC) - RS485 connection - Address cloning possible - Anti-tamper protection: retrofittable with tamper switch, serial bus sabotage</p>				
<p>Item no. F127ESP8RSP</p>					

# GENERAL TERMS OF SALE AND DELIVERY

## 1. PREMISES

This document contains the general terms of sale and delivery that govern the business relations between Tecnoalarm S.r.l. (Seller) and its customers (Buyers), for any type of product and service. Unless otherwise specified, these terms are applied to all Buyers, in this case professional customers. The terms are an integral part of the "Tecnoalarm General Catalogue", and are considered implicitly known to and accepted by the Buyer when placing the purchase order. The terms, if no other agreement (void if not in written form) exists, are to be considered as binding for the sale of any product of Tecnoalarm. The Seller reserves the right to change them without notice and without prejudice to the validity of previous terms in force at the time of the order. Any different terms and conditions used by the Buyer shall not apply to the relations between the parties if not accepted in writing and, in any case, shall be coordinated with these terms, unless expressly exempted by written act. The acceptance of these terms and the accompanying warranty conditions, as well as all the subsequent relations, agreements, and generally, the behaviors of the parties eventually governed by the same, do not entail the transfer to the Buyer of any exclusive right, nor the establishment of relations of granting, commission and mandate, with or without representation. Equally, they do not give the Buyer the right to market the Tecnoalarm products via e-commerce, or any other form of mail order sales nor to use in any form the mark, the name or other distinctive marks of Tecnoalarm.

## 2. PURCHASE ORDERS

No purchase order sent by the Buyer shall be binding for the Seller if not expressly accepted in writing. The order accepted by the Seller constitutes a firm and irrevocable proposal of contract. Sending an order and collecting the goods by the Buyer shall entail the contextual and integral recognition, knowledge and acceptance of the terms and the attached warranty conditions. The Seller is not bound, except with the express confirmation or subsequent ratification, by the declarations of its agents, business procurers, distributors and other commercial auxiliaries. The acceptance without expressed reservation by the Buyer of products non-compliant in terms of type or quantity, or sent with conditions other than those contained in the request of the Buyer or the offer of the Seller, implies the acceptance by the Buyer of the supply and the terms applied by the Seller. These reservations, even if made in the form of clarifications or corrections to the terms of delivery, shall not be effective if they will not be formulated by the Buyer in writing, immediately after the receipt of the goods.

## 3. PLACING OF ORDERS

Except as provided in the previous article, the Seller only accepts orders placed according to the procedure provided for in this article. All orders must be submitted in writing and complete in every part needed for the correct identification of the requested products. The Buyer may request the cancellation or modification of the order only before the execution of the same, through written communication. The Seller has the right to not accept changes or cancellations if the order is already being processed. The changes and the cancellation of the purchase orders, to be effective, must be expressly accepted by the Seller in writing.

## 4. DELIVERY OF THE PRODUCTS

No purchase order sent by the Buyer will be fulfilled by the Seller if not expressly accepted. Unless otherwise agreed in writing between the parties, the Seller shall deliver the products "ex works" (EXW) Turin, one of his subsidiaries or decentralized warehouses, within the terms of delivery agreed on the acceptance of the order. If required, the Seller will take care of the transport of the products and - in the absence of specific instructions of the Buyer - will choose the carrier that it deems appropriate. Unless otherwise specifically agreed in writing, the transport will take place with the clause "free carrier" (FCA) at the expense and risk of the Buyer. The cost of the transport and packaging, unless otherwise agreed, will be added to the price of the products purchased. The delivery deadline shall be deemed to be respected if the goods are promptly delivered to the carrier. In any case, the Seller shall not be liable for transport delays that cannot be imputed to him. In the case of delayed delivery, the Buyer may cancel the part of the order not delivered only after notifying the Seller, by registered letter with acknowledgement of receipt or with certified e-mail, his intention to do so, and after granting 15 weekdays, from receipt of such communication, within which the Seller can deliver all the products specified in the reminder and not yet delivered. It is excluded any liability of the Seller for damages derived from delayed or total or partial non-delivery of the purchase order. In case the Buyer fails to collect the goods within the agreed time, he will have to refund the Seller the storage costs until delivery or sale of the goods to third parties, which may take place after 30 days from the originally agreed delivery date. Failure or delay of fulfilment of a partial delivery does not implicate the non-fulfilment of the delivery obligation in itself and will have no effect on the other partial deliveries.

## 5. PRICES AND TERMS OF PAYMENT

The prices specified by the Seller in quotations, order confirmations and invoices are based on the price list expressed in Euro, excluding VAT, in force on the day of the order confirmation. Unless otherwise specified, all prices are net of transportation, and any other tax, fee and locally due rate. The applicable taxes are those in force on the date of billing. Any discount on the prices charged by the Seller shall only be applicable if agreed to in writing and only in case of full compliance with the payment terms fixed. In no case will the discounts offered be extendable to supplies, also of similar goods or identical products, performed prior to or subsequent to the order to which the discounts apply. If the costs of raw materials and/or the workforce used by the Seller should suffer changes such as to modify by more than 10% the original balance, the price will be adjusted in proportion, with the option of the parties to terminate the agreement within 10 days from the notice of the variation in the price. The invoices of the Seller are accepted if they are not challenged in writing by the Buyer within 14 days of their receipt. Unless otherwise specifically agreed in writing, the method and term of payment are those previously agreed with the Seller and stated in the customer file. Any payments made to the agents of the Seller must be previously authorized in writing by the latter. According to this, any payment made to subjects not previously authorized for collection shall not discharge the obligation. Any credit instruments accepted by the Seller is subject to collection. Any delay or irregularity in the payment shall give the Seller the right to suspend deliveries and/or terminate the contracts and/or cancel orders in progress, even if not related to the payments in question, as well as the right to compensation for any damages. From the date of expiry of the payment, the default interests at the legal rate provided for in the Decree 231/2002, amended by the Decree 192/2012, shall be entirely due. In no event the Buyer will be authorized to reduce or offset the price with any credit, however occurring, against the Seller, unless prior written permission of this is granted. For the imputation of payment, reference will be made in any case to the provisions of art. 1193 par. 2 C.C. [Italian Civil Code]. The Buyer is obliged to complete payment, even in the event of a dispute or controversy, according to the condition "solve et repete".

## 6. RETENTION OF TITLE

In the case where the payment is carried out, in whole or in part, after delivery, the delivered products shall remain the property of the Seller up to the full payment of the agreed price, within the meaning of art. 1523 C.C. [Italian Civil Code]. The Seller shall have the right to repossess any product with retention of title and the Buyer shall bear the costs. The Seller may withhold as penalty any sum received as payment, without prejudice to the right to compensation for the greater damage. If the Buyer relinquishes the products to a third party, the rights of the Seller shall be transferred to the resale price up to the full payment.

## 7. TECHNICAL DESCRIPTIONS AND SPECIFICATIONS OF THE PRODUCTS

The technical data, dimensions, features, specifications, colors, weights, prices and any other data relating to the products contained in the technical and advertising documentation of the Seller, as well as the characteristics of the samples and models which may be provided to the Buyer, are merely indicative and are not binding, unless they were expressly mentioned in the offer and/or in the written acceptance by the Seller. Any statements or advertising of third parties in no way bind the Seller. Any technical design or document provided to the Buyer that enables to manufacture the products sold, or parts of them, remains the exclusive property of the Seller and shall not be copied, reproduced, transmitted to third parties or however used without the prior written consent. In addition, the Seller remains exclusive holder of all intellectual or industrial property rights relating to the products. The Seller reserves the right, at its sole discretion and without the need for any notice, to make the changes deemed most appropriate that do not adversely affect the functionality, the quality, and the aesthetics of the product itself, with the only obligation to inform the Buyer about the changes.

## 8. E-COMMERCE

The Seller prohibits the commercialization of its products via e-commerce, whether a single component or the entire system is concerned. The Seller will make use of all the means provided by the law to prevent this from happening and to obtain the sanctions on those who act in violation and/or circumvention of the ban.

**9. WARRANTY OF THE SELLER**

Unless otherwise agreed in writing between the parties, the Seller ensures that its products (with the exception of those parts which are not directly produced) are free from flaws/defects for a period of two (2) years from the date of delivery of the goods to the Buyer. The warranty does not operate with reference to those products whose defects are due to:

- a. damage in transit
- b. improper use or negligent handling
- c. failure to comply with the Seller's instructions relating to the assembly and/or operation of the products
- d. lack of ordinary maintenance and preservation of the products
- e. normal wear and tear of moving parts
- f. repairs and/or changes made by the Buyer or by third parties without the prior written permission of the Seller.

The Seller will, in its sole discretion, replace or repair the defective or faulty products or parts, provided that the Buyer's claim is covered by the warranty and notified within the deadlines referred to in this article. The Buyer shall notify the Seller, under penalty of loss of the right to appeal, of the presence of patent defects within eight days from delivery of the products, or hidden defects or those not detectable by reasonable inspection within eight days from discovery. After the above deadlines have expired, the products are considered as permanently accepted. Claims must be made in writing and must indicate in detail the alleged defects or nonconformities, as well as the references to the relevant invoice, DDT or order confirmation of the Seller. In addition, upon request of the Seller, adequate photographic documentation must be attached to the claims. Incomplete claims will not be covered by the warranty. The products subject to complaint should be immediately sent to the head office of the Seller, or to any other place that the latter will indicate from case to case, at the costs and expenses of the Buyer, unless otherwise agreed between the parties, in order to allow the Seller to complete the necessary checks. The warranty does not cover any damage or defects of the products resulting from, or directly related to, parts assembled/added by the Buyer. If a claim is totally or partially unfounded, the Buyer shall indemnify the Seller for all the costs incurred for the checks. In every case, the Buyer shall not assert any warranty rights towards the Seller if the products have not been paid according to the terms and conditions agreed. The Seller shall not be responsible for any damage arising and/or connected to defects of the products, except in the case of his proven deliberateness or gross negligence. In any case, the Seller shall not be liable for incidental or consequential damages of any nature, such as losses or lost profits arising from inactivity of the Buyer.

**10. LEGAL WARRANTY**

The Seller guarantees the quality of the products to its direct customers. This warranty, the duration of which is determined by the law, includes possible initial defects of the products or, in any case, defects existing at the time of delivery. In application of the terms of the warranty, the Seller ensures the repair, revision, update or restoration of the products. The warranty excludes any responsibility by the Seller for direct or indirect damages caused by the non-functioning of the products in consequence of installation and/or programming, as these activities and their consequences are the exclusive responsibility of the installer.

**11. RESPONSIBILITY OF THE MANUFACTURER**

The products with Tecnoalarm brand are manufactured in accordance with the regulations in force in Italy and in the European Union. The Seller is responsible for damages to persons or property arising from the products sold, only in the event of his proven gross negligence in the manufacture of the products themselves. In no event, it shall be considered liable for incidental or consequential damages, loss of production or lost profits. Except as provided above, the Buyer shall not consider the Seller liable in all the actions of third parties based on liability arising from products sold to them and shall indemnify for the damage caused by the claims in question.

**12. MANUALS**

The Seller prohibits the publication of the installation and programming manuals of the products on the web, as the content of these manuals is to be considered as strictly confidential, also with the aim to protect the final customers in relation to the requirements for the protection of property and life.

**13. FORCE MAJEURE**

In all cases of force majeure occurring (including but not limited to: lack of supply of raw materials, significant predictable increases of the prices of the same, fire, flood, disturbances in the transport sector, strikes, lock-outs or other similar events, which prevent or reduce the productive capacity of the Seller or block the transport between the plant of the Seller and the place of destination of the products), the Seller shall be entitled to an extension of up to 90 days, extendible to up to 180 days in the most serious cases, of the deadline for the delivery of the products, provided that it promptly notifies in writing the Buyer about the occurrence of force majeure. Should the condition of force majeure subsist on expiry of the above time limits, the Buyer may terminate this agreement by giving written notice to the Seller by means of registered letter with acknowledgement of receipt or certified e-mail.

**14. CHANGES AND INTERPRETATION OF THE TERMS**

For the interpretation of these terms, only the original Italian text shall be considered legally binding. Unless otherwise specified, every reference to price lists, general terms of sale and delivery or other documents from the Seller or third parties is meant as referring to the above mentioned documents in force at the time of the reference itself. Any modification or integration made by the parties to the agreements to which these terms apply, must be made in writing, otherwise they will be void. The derogation to one or more provisions of these terms should not be interpreted extensively or by analogy and does not imply the desire to waive the terms in their entirety.

**15. APPLICABLE LAW**

For whatever not expressly provided in these terms, the rules laid down by the Italian law, or, alternatively, the uses and practices, shall apply. Since international sales are not explicitly regulated by these terms, these will be governed by the Vienna Convention on the International Sale of Goods of 1980. For the interpretation of the terms of return and other commercial terms possibly used by the parties, refer to the INCOTERMS of the International Chamber of Commerce in Paris. Any foreign uses and practices are not binding in any way for the Seller.

**16. DISPUTES AND COMPETENT COURT**

For any disputes regarding or in any way connected to the agreements to which these terms apply, the only competent Court is that of Turin, Italy.

**17. CONFIDENTIALITY**

Any production technology and/or information of the parties (including expedients, design and information) whether or not patented, shall be treated as essentially confidential and shall not be used or disclosed in the absence of prior written permission.

**18. FINAL PROVISIONS**

Any communication between the parties shall be sent to the respective addresses resulting from the business correspondence exchanged. If the Seller fails to: a. apply one of the present terms - b. require to the Buyer to perform any provision of these terms, this may not be construed as present or future waiver of that provision, nor in any way affect the right of the Seller to have each of the provisions executed in the future. The express waiver by the Seller of any of the provisions of these terms does not constitute a waiver to their future respect by the Buyer. The agreement may not be transferred in whole or in part without the prior consent of the other party.

*The Seller declines any responsibility concerning the technical-commercial activities of design, installation and maintenance of the systems, given that, as the manufacturer, it has the obligation to adapt to the Ministerial Decree no. 37/2008 which provides that the installer, as a legally independent entity, assumes the role of an autonomous and responsible interface towards the final customer.*







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ISO 9001

MADE IN ITALY

