

Solution 2000 / 3000 Control Panel

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Invented for life



- ▶ 8/16 Fully Programmable Zones
- ▶ 33 Codes - 1 Installers, 32 User Codes
- ▶ 16 Wireless Devices (on Solution 3000)
- ▶ Partitionable into 2 Separate Areas
- ▶ STAY / AWAY Arming Options

The Solution 2000 and Solution 3000 are new generation alarm control panels for small residential & commercial markets.

System overview

Supporting up to 8 fully programmable zones on the Solution 2000 and 16 fully programmable zones on the Solution 3000, this range of intrusion panels is suitable for any home, and even some commercial premises.

With support for up to four keypads on both panels and the ability to be split into two separate partitions on the Solution 3000, you have the flexibility of one security system that can act as two.

Functions

User Interfaces

The Solution 2000 and 3000 control panels have the variety of keypad options, including LCD Icon, LCD Alphanumeric, and various touchscreen options that are simple to use.

Wireless

The Solution 2000 supports the WE800EV2 wireless receiver for wireless keyfob control, while the Solution 3000 supports both the WE800EV2 and the option to integrate with the Bosch RADION range of wireless transmitters.

Communication

Solution 2000 and 3000 also have available a range of communications extension modules that integrate directly with the panel and provide options such as mobile communications via GPRS networks, along with IP reporting through the internet.

The IP module includes CSV-IP communications technology and makes the panels fully NBN-ready with the majority of monitoring centers in Australia & New Zealand able to handle the IP communications from the Solution 2000 and 3000.

Remote Security Control (RSC) app

The Solution 2000 and 3000 control panels support the Bosch Remote Security Control (RSC) app, enabling convenient system operation from an iPhone, iPad or iPod Touch, including arming / disarming of the system and control of connected devices, such as lighting and A/C.

Remote Security Control Plus (RSC+) app

Remote Security Control Plus (RSC+) app allows users to control their security systems remotely from mobile devices such as phones and tablets.

Certifications and approvals

Australia	RCM; AS/CA S002:2010
New Zealand	Telepermit
Europe	PCE – EN61000-3:2007/ A1:2011 EN50130-4:2011

Technical specifications**Power Requirements**

Primary	250 VAC / 18 VAC at 1.3A supplied by TF008 Plug Pack
Secondary	12 VDC, 6.5Ah from rechargeable sealed lead/acid battery

Communications

Communications	CID, SIA, Email*, Domestic Dialing, CSV-IP, Push Notification *Requires B426-M IP Communications Module or B450-M Universal Communications Module
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Environmental Considerations

Temperature	0° to +45°C
Relative Humidity	10% to 95% non-condensing

Enclosure

Dimensions (H x W x D) (packed in carton)	306 x 262 x 84mm
Weight	2.5kg
Warranty	3 years

Ordering information**ICP-SOL2-P Control panel PCBA, 8-zone**

Only sold in Australian and New Zealand.
Order number **ICP-SOL2-P**

ICP-SOL3-P Control panel, 16-zone

Only sold in Australian and New Zealand.
Order number **ICP-SOL3-P**

ICP-SOL2-APR Control panel, 8-zone, 230VAC

Only sold in APR region.
Order number **ICP-SOL2-APR**

ICP-SOL3-APR Control panel, 16-zone, 230VAC

Only sold in APR region.

Order number **ICP-SOL3-APR**

IUI-SOL-TS5 TouchOne Mini 5"

Order number **IUI-SOL-TS5**

Accessories**IUI-SOL-TEXT LCD alphanumeric keypad**

Order number **IUI-SOL-TEXT**

IUI-SOL-ICON LCD icon keypad, 16-zone

Order number **IUI-SOL-ICON**

IUI-SOL-TS4 4.3" TOUCH SCREEN CODE PAD

Order number **IUI-SOL-TS4**

IUI-SOL-TS7 TOUCHONE 7" CODE PAD SDI2

4" and 7" keypads are sold only in Australian and New Zealand.

Order number **IUI-SOL-TS7**

B308 SDI2 8-Output Expansion Module

Order number **B308**

B426-M Ethernet communication module, mobile

Supports Ethernet communication for remote programming and mobile apps on AMAX and Solution Series control panels

Order number **B426-M**

B450-M Plug-in communicator interface, mobile

Supports cellular communication for remote programming and mobile apps on AMAX and Solution Series control panels

Order number **B450-M**

B443 Plug-in Cellular, HSPA+ (3G+)

Multi-function 3G/4G cellular communicator providing IP communication over a GPRS/EDGE/UMTS/HSPA+ cellular network

Order number **B443**

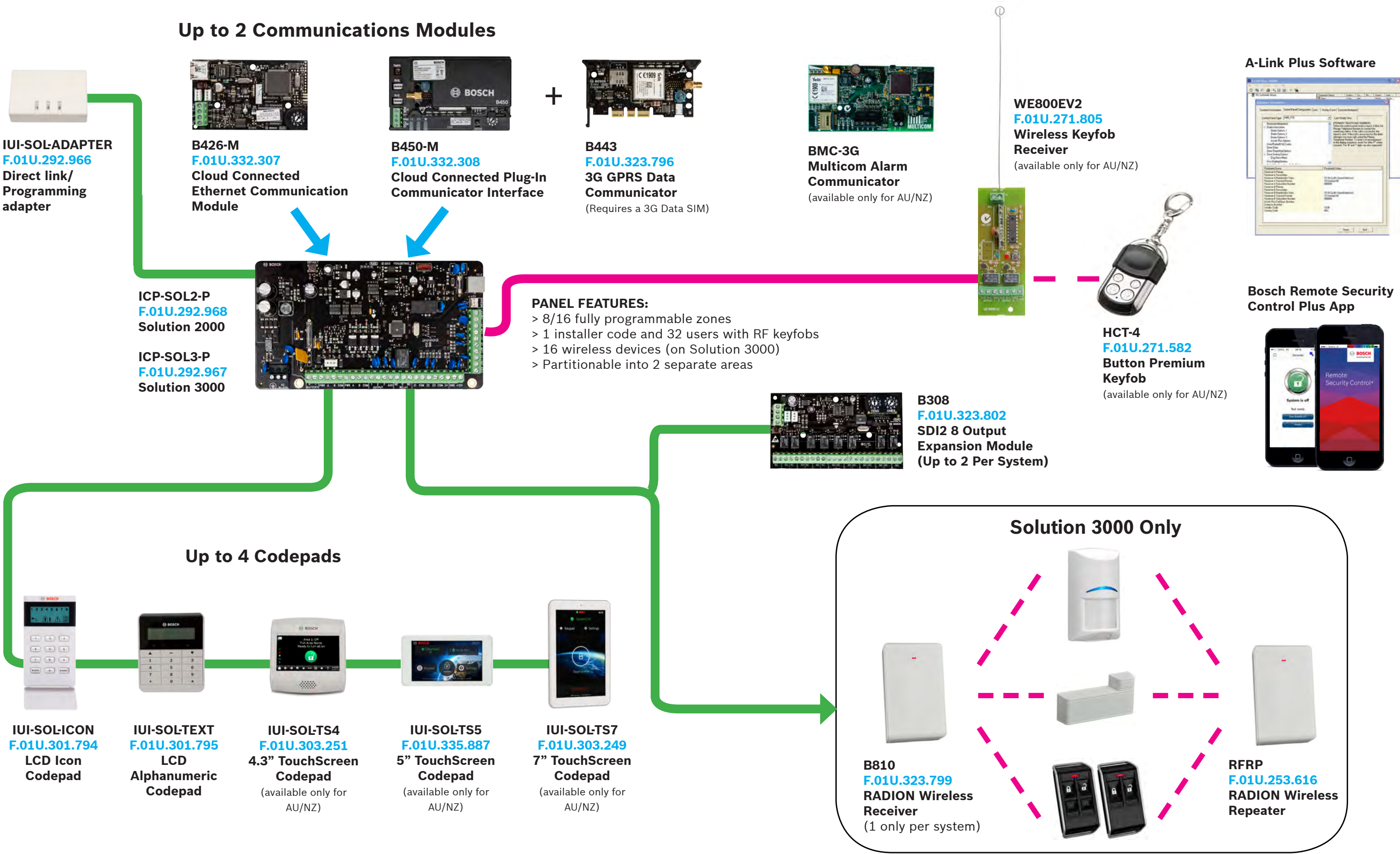
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Blue Line Gen2 PIR Motion Detectors

www.boschsecurity.com



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- ▶ Wall to Wall coverage – Superior catch performance within 12 m x 12 m (40 ft x 40 ft) coverage area
- ▶ Pet-friendly Selectable model available – optimize installation for pet (20 kg [45 lb]) and non-pet applications
- ▶ Dynamic Temperature Compensation – superior catch performance in any environment
- ▶ Flexible Mounting Height, No Adjustments – reduce installation time and false alarms, improve catch performance
- ▶ Self-locking Enclosure with Integrated Bubble Level – reduce installation time

The Blue Line Gen2 PIR Motion Detectors (ISC-BPR2) use two Fresnel lenses designed to produce sharply-focused images throughout the field of view providing superior response to intruders. These lenses provide a high density (77 zone) 7-layer pattern, and the selectable lookdown lens provides an additional three lookdown zones. Easy installation and flexible mounting options provide state-of-the-art detection. The pet-friendly (-WP) generates alarm signals for human intruders without generating false alarm signals for pets.

Functions

First Step Processing (FSP)

First Step Processing (FSP) almost instantly responds to human targets without producing false alarms from other sources. FSP adjusts the detector's sensitivity based on signal amplitude, polarity, slope, and timing. This eliminates the need for the installer to select the sensitivity level, thus improving ease of installation and reliability.

Pet-friendly Selectivity (-WP models only)

The installer can turn pet immunity on or off based upon application requirements. When pet immunity is turned off, the detector provides superior catch performance identical to the non-pet models. When pet immunity is turned on, the detector can distinguish between signals caused by humans and signals caused by pets. It ignores signals caused by one or two pets up to 20 kg (45 lb) or numerous rodents.

Dynamic Temperature Compensation

The detector intelligently adjusts its sensitivity so that it can identify human intruders at virtually any temperature.

Wall-to-Wall Coverage

An improved lookdown zone and coverage range of 12 m x 12 m (40 ft x 40 ft) provide wall-to-wall coverage.

Self-locking Enclosure

The sliding self-locking enclosure has an integrated bubble level and custom gap-free, lift-gate style terminal blocks to make installation easier.

Sealed Optics and Electronics

The optics and electronics are assembled into the front enclosure and sealed with a protective cover to prevent damage during installation. The sealed optical chamber also prevents drafts and insects from affecting the detector.

Test Features

Externally visible alarm LED can be disabled after installation.

Certifications and approvals

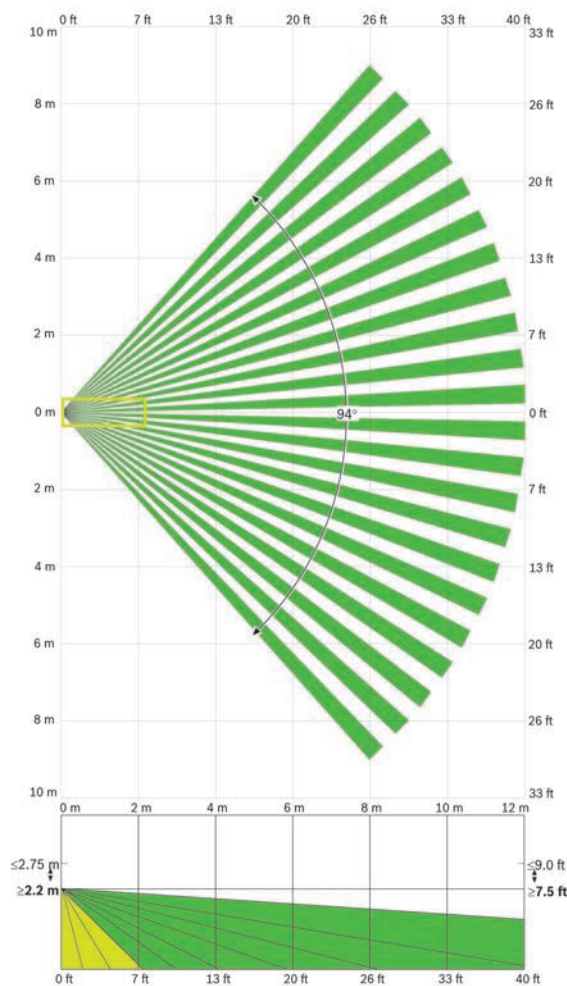
These detectors are also designed to comply with the following:

Europe	Complies with EN50131-2-2 Grade 2	
	Complies with EN50130-5 Class II	
	Complies with EN60529, EN50102 (IP30, IK04)	
	Complies with Directive 2002/95/EC - Restriction of the use of certain Hazardous Substances (RoHS)	
China	Complies with CCC GB10408.1 and GB10408.5	

Region	Regulatory compliance/quality marks	
Europe	CE	EMC, LVD, RoHS [ISC-BPR2-W12, ISC-BPR2-WP12]
	EN50131	EN50131-2-2 [ISC-BPR2-W12]
	EN50131	EN50131-2-2 [ISC-BPR2-WP12]
Belgium	INCERT	B-509-0051
USA	UL	[ISC-BPR2-W12, ISC-BPR2-WP12]
	UL	20190115; UL639 – Standard for Intrusion-Detection Units
Canada	ULC	[ISC-BPR2-W12, ISC-BPR2-WP12]
	ULC	CAN/ULC S306-03 - Canadian Standard for Intrusion Detection Units
China	CCC	2010031901000322 [ISC-BDL2-W12-CHI, ISC-BDL2-WPC12-CHI]
Sweden	INTYG	11-268 [ISC-BPR2-WP12]
	INTYG	11-269 [ISC-BPR2-W12]
the Netherlands	NCP	[ISC-BPR2-W12, ISC-BPR2-WP12, ISC-BPQ2-W12, ISC-BDL2-W12G, ISC-BDL2-WP12G, ISC-BDL2-WP6G]
Bulgaria	GD FSPP	GODKJENNELSESBEVIS [ISC-BPR2-W12, ISC-BPQ2-W12, ISC-BPR2-WP12, ISC-BDL2-WP6, ISC-BDL2-W12, ISC-BDL2-WP12]

Installation/configuration notes

Coverage Patterns



12 m x 12 m (40 ft x 40 ft) coverage

Mounting

The recommended mounting height is 2.2 m to 2.75 m (7.5 ft to 9 ft) with no adjustments required.

Mount the motion detector level, both horizontally and vertically.

Mounting options:

- On a flat wall (surface, semi-flush), with the optional B335-3 Swiveling low-profile mount, or with the optional B328 Gimbal-mount Bracket
- In a corner (the junction of two perpendicular walls)
- On the ceiling with the optional B338 Universal Ceiling-mount Bracket

Technical specifications

Electrical

Current (standby/alarm):	10 mA at 12 VDC
Voltage (operating):	9 VDC to 15 VDC

Environmental

Environment	Complies with EN50130-5 Class II
Pet Immunity ¹ :	One or two pets up to 20 kg (45 lb) or numerous rodents.
Relative Humidity:	0 to 95%, non-condensing <i>For UL Listed product installations, 0 to 85%, non-condensing</i>
Temperature (operating):	-30°C to +55°C (-20°F to +130°F) <i>For UL Listed product installations, 0°C to +49°C (+32°F to +120°F)</i>

¹ Applies to the Pet Friendly models only and only when the Pet Immunity feature is turned on.

Mechanical

Color:	white
Dimensions:	105 mm x 61 mm x 44 mm (4.2 in. x 2.4 in. x 1.7 in.)
Material:	High-impact ABS plastic
Radio Frequency Interference (RFI) Immunity	No alarm or setup on critical frequencies in the range from 150 kHz to 2 GHz at field strengths less than 30 V/m.

Outputs

Relay:	Solid state, supervised, Form A normally-closed (NC) contacts rated for ≤100 mA, 25 VDC, 2.5 W, <20 Ω closed
Tamper:	Normally-closed (NC) contacts (with cover on) rated for ≤100 mA, 25 VDC, 2.5 W

Connect tamper circuit to 24-hour protection circuit.

Ordering information**ISC-BPR2-W12 Motion detector, 40ft (12m)**

Provides PIR, 12 m x 12 m (40 ft x 40 ft) coverage.
Order number **ISC-BPR2-W12**

ISC-BPR2-WP12 Motion detector, pet friendly 40ft (12m)

Provides Pet Friendly PIR, 12 m x 12 m (40 ft x 40 ft) coverage.
Order number **ISC-BPR2-WP12**

ISC-BPR2-W12-CHI Motion detector, 40ft (12m)

Provides PIR, 12 m x 12 m (40 ft x 40 ft) coverage. For use in China.
Order number **ISC-BPR2-W12-CHI**

Accessories**B328 Mounting bracket, gimbal**

Mounts on a single-gang box and allows rotation of a detector. Wires are hidden inside.
Order number **B328**

B335-3 Mounting bracket, swivel, low profile

Swiveling, low-profile, universal bracket for wall mounting. The vertical swivel range is +10° to -20°, while the horizontal swivel range is ±25°.
Order number **B335-3**

B338 Mounting bracket, ceiling, universal

Swiveling universal bracket for ceiling mounting. The vertical swivel range is +7° to -16°, while the horizontal swivel range is ±45°.
Order number **B338**

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- Competitive Price and Reliable Service



WP06 Combo Siren/Strobe (outdoors) with or without internal backup battery

- High quality siren and high-intensity Led built in
- PCB double side conformal lacquered - resistant to corrosion and electric leak
- High quality UV stabilised case
- Weather proof
- Front and back tamper
- Independent siren/strobe operation
- Patented

Voltage:	12VDC
Siren Current:	200 mA
Strobe Current:	50 mA
SPL:	105dB/m
Size:	202(L) x 112(W) x 70 mm(H)



WP18 Super Combo Siren/Strobe (outdoors)

- Large size giving a distinctive warning
- Twin piezo giving 116dB/m
- PCB double side conformal lacquered - resistant to corrosion and electric leak
- High intensity LD
- Quality micro switch used as tamper switch
- UV treated ABS case

Voltage:	12VDC
Strobe Current:	50 mA
Twin Piezo Current:	550 mA
SPL:	116dB/m
Size:	280(L) x 160(W) x 62 mm(H)



WP95 Camouflaged Combo Siren/Strobe (indoors)

- High quality siren and blue strobe built in
- Aesthetic appeal
- Independent or combined siren/strobe operation

Voltage:	12VDC
Siren Current:	230 mA
Strobe Current:	110 mA
SPL:	100dB/m
Size:	122(L) x 73(W) x 45 mm(H)

Piezo Siren (indoors)



WP08 Top Hat Piezo

Voltage:	12VDC
Current:	110 mA
SPL:	105dB/m



WP05 Flush Mount Piezo

Voltage:	12VDC
Current:	90 mA
SPL:	105dB/m



TF008 Plug-in Transformer



Includes built-in thermal fuses that will blow during overload or fault conditions, eliminating possible fire threat from excessive heat building up inside the casing. The TF008 incorporates a three-wire flying lead that enables a mains earth connection to be made between the equipment and the transformer. This connection might be required for lightning protection on equipment connected to telephone lines or for safety reasons such as earthing of metal enclosures.

Certifications and Approvals

Region	Certification	
Australia	CTICK	AS/NZS CISPR 14.1:2003

Ordering Information

TF008 Plug-in Transformer

For use in Australia and New Zealand. 240 VAC primary voltage input. 18 VAC, 1.3 A secondary input. Includes thermal fuses and a three-wire flying lead with earth connection.

TF008

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