# Gallagher | Bosch

## Motion Detectors

The Gallagher Bosch integration offers a state-of-the-art intrusion alarm solution with highly reputable and complementary technologies responding to real security breaches and ignoring costly false alarms sources, making it an ideal solution for small and medium business and enterprise applications.

### Integration benefits

- Receive alarms from superior PIR detectors into Command Centre enhancing the capabilities and reliabilities of Command Centre's responding and reporting of genuine intrusion alarms.
- Minimize the time on the ladder for installers, to help you get the job done faster and more reliably.
- Rich portfolio from Standard to Tritech, which can be applied across from small to large buildings, and pet-friendly models are selectable.
- Certified by AFNOR, CCC, EN50131-2-2 Grade 2, INCERT, UL
- Allowing users to have all their security monitoring requirements in system and providing the ability to utilize Command Centre's powerful reporting capabilities.
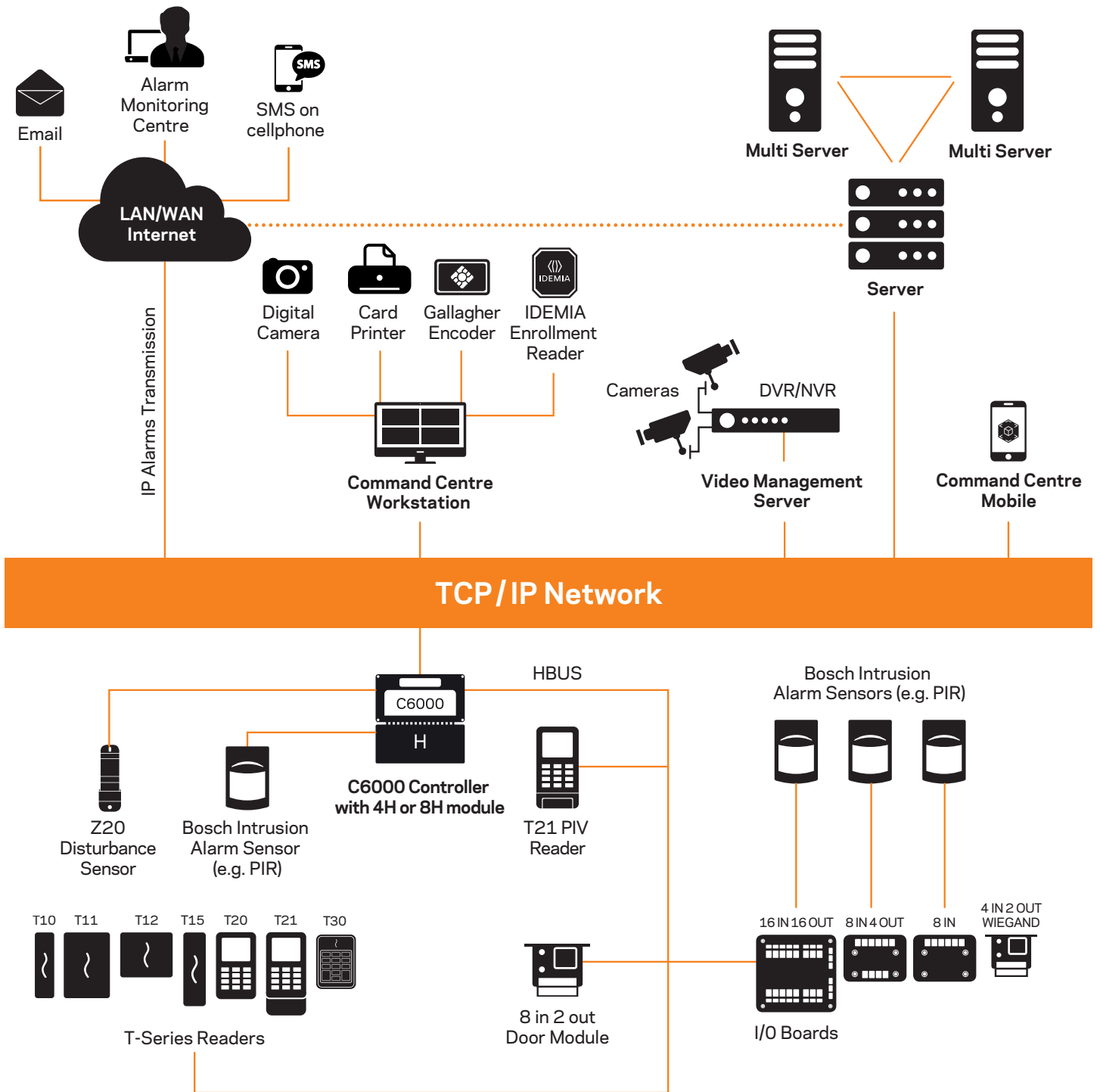- Reduce false alarms and improve catch performance.

### Integration features

- Pet-friendly models available
- Tritech model is available
- Wall-to-wall coverage
- Easy to install
  - Self-locking, two-piece enclosure means no more lost screws and an easy snap-to-lock installation.
  - Integrated biaxial bubble level eliminates the guesswork to ensure proper alignment, requiring one less installation tool.
  - The removable, gap-free, liftgate-style terminal strip reduces mounting time to mere seconds and prevents incorrect wiring to eliminate future services calls.
  - A flexible mounting height makes positioning the detector easy, and you get no-gap coverage without any optical or electronic on-site adjustments.
- A variety of options to suit different spaces and needs

**BOSCH**

**GALLAGHER**

# How the solution works

The integration between Bosch and Gallagher offers a range of Bosch Intrusion Alarm Sensors, all able to make use of Command Centre's powerful reporting and intrusion alarm monitoring capabilities.

Email

Alarm Monitoring Centre

SMS on cellphone

LAN/WAN Internet

IP Alarms Transmission

Digital Camera

Card Printer

Gallagher Encoder

IDEMIA Enrollment Reader

Command Centre Workstation

Cameras

DVR/NVR

Video Management Server

Multi Server

Multi Server

Server

Command Centre Mobile

## TCP / IP Network

C6000

H

C6000 Controller with 4H or 8H module

HBUS

Z20 Disturbance Sensor

Bosch Intrusion Alarm Sensor (e.g. PIR)

T21 PIV Reader

Bosch Intrusion Alarm Sensors (e.g. PIR)

T10  T11  T12  T15  T20  T21  T30

T-Series Readers

8 in 2 out Door Module

16 IN 16 OUT   8 IN 4 OUT   8 IN   4 IN 2 OUT WIEGAND

I/O Boards

# Technical specifications

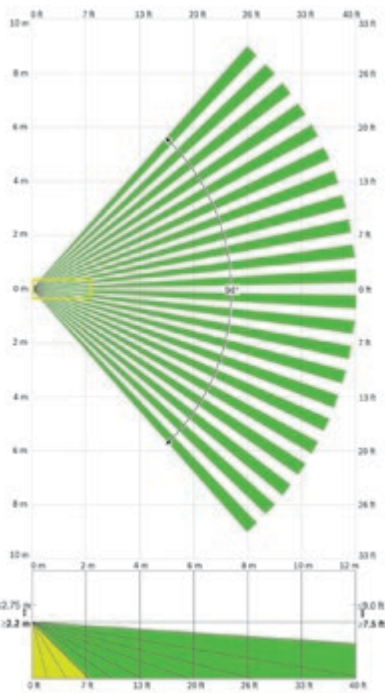| | Blue Line Gen2 PIR Motion Detector | Blue Line Gen2 PIR Motion Detector – Pet Friendly | Blue Line Gen2 Quad PIR Detector | Blue Line Gen2 TriTech Motion Detector – Pet Friendly | Low Profile Ceiling Mount Motion Detector |
|---|---|---|---|---|---|
| Part number | C501100 | C501101 | C501102 | C501103 | C501104 |
| **Electrical** | | | | | |
| Current (standby/alarm) | 10 mA at 12 VDC | | | | 20 mA at 12 VDC |
| Voltage (operating) | 9 VDC to 15 VDC | | | | 10 VDC to 15 VDC |
| **Environmental** | | | | | |
| Environment | Complies with EN50130-5 Class II | | | EN5013 1 EN50131-2-4 Grade 2 Environmental Class II (G models) | Complies with EN50131-1, Grade 2 |
| Pet Immunity* | | One or two pets up to 20 kg (45 lb) or numerous rodents | | One or two pets up to 45 kg (100 lb) or numerous rodents | |
| Relative Humidity | 0 to 95%, non-condensing. For UL Listed product installations, 0 to 85%, non-condensing | | | | |
| Temperature (operating) | -30°C to +55°C (-20°F to +130°F) For UL Listed product installations, 0°C to +49°C (+32°F to +120°F) | | | G models = - 20°C to + 55°C (-4°F to +131°F) | -29°C to +49°C (-20°F to +120°F) For UL Certificated installations, 0°C to+49°C (+32°F to +120°F) |
| **Mechanical** | | | | | |
| Dimensions | 105 mm x 61 mm x 44  mm (4.2 in. x 2.4 in. x 1.7 in.) | | | | 3.05 cm x 11.7 cm (1.2 in. x 4.6 in.) |
| Material | High-impact ABS plastic | | | | High-impact ABS plastic enclosure |
| 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. | | | | No alarm or setup on critical frequencies in the range from 26 MHz to 950 MHz at 50 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 | | | | Normally-closed reed relay rated at 3.0 W, 125 mA at 28 VDC for resistive loads and protected by a 4.7 Ω resistor in the common C leg |
| 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. | | | | Normally-closed cover activated tamper switch with separate terminals. Tamper contacts rated 125 mA at 28 VDC maximum. |
| **Mounting** | | | | | |
| Height range | 2.2 m to 2.75 m (7.5 ft to 9 ft) | | | | 2 m to 3.6 m (7 ft to 12 ft) |

* Applies to the Pet Friendly models and only when the Pet Immunity feature is turned on.
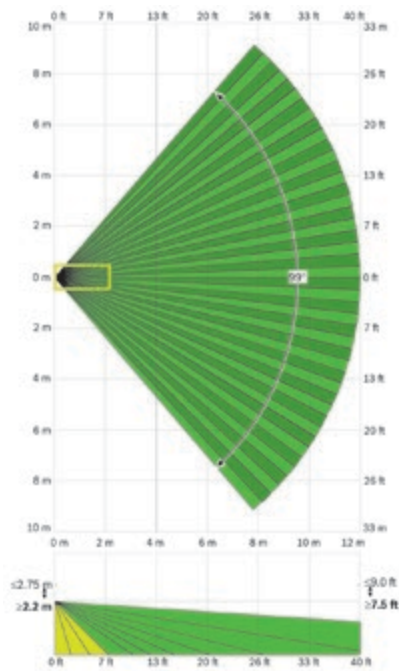Note: The above models are currently only available in New Zealand.

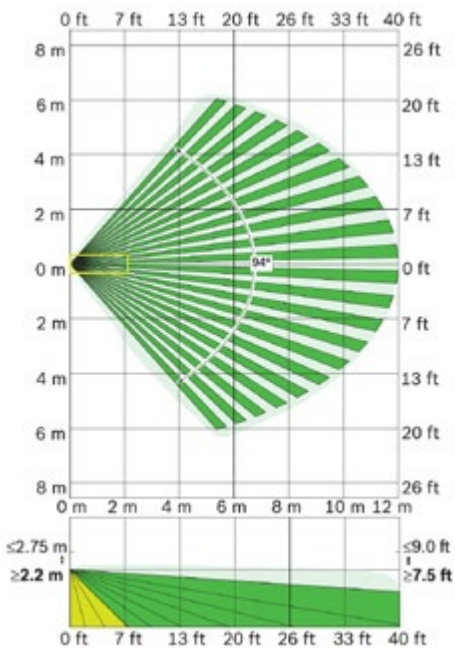# Coverage Patterns

**Blue Line Gen2 PIR Motion Detector** C501100
**Blue Line Gen2 PIR Motion Detector – Pet Friendly** C501101

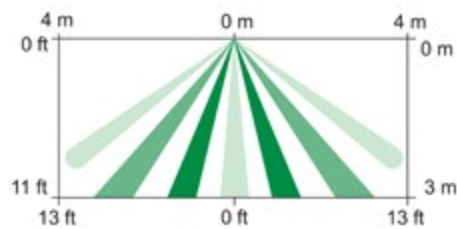**Blue Line Gen2 Quad PIR Motion Detector** C501102





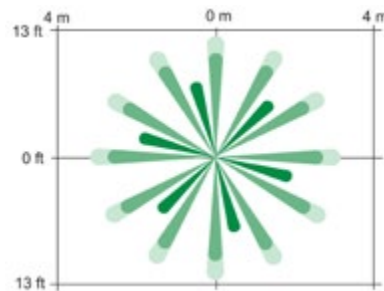**Blue Line Gen2 TriTech PIR Motion Detector – Pet Friendly** C501103

**Low Profile Ceiling Mount PIR Motion Detector** C501104



Side view



Top view

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