

SH-14-3201-0001-99

Excellence SmartCell Addressable Wireless Gateway

General

The SH-14-3201-0001-99 is a Excellence protocol gateway for interfacing a zone of wireless SmartCell fire alarm devices into a wired Excellence addressable fire alarm system. It enables these wireless devices to be managed directly from the control panel and provides a seamless interface between the hardwired components and the wireless zone.

System design

The Excellence gateway comprises of a wireless transceiver capable of managing up to 32 wireless devices. An LCD display is provided on the gateway along with function buttons to allow programming and diagnostics to be carried out for associated devices locally. The interface is addressed on the loop electronically. A total of 4 gateways may be fitted onto a single fire alarm control panel loop controlling up to 124 wireless loop devices.

Seamless addition of wireless devices

Every wireless device controlled through the Excellence gateway has its own unique address with which the main fire alarm control panel communicates with it, providing the same system capabilities as directly wired devices. A full range of wireless detection and alarm devices is available, including multi-sensors capable of dual sensing heat and smoke, smoke only or heat only configurations, manual call points, notification devices (sounders with and without VIDs or VADs) as well as input/output units and all-in-one devices.

Full flexibility

Wireless devices are featured in many fire detection and alarm systems. They are specified where the installation of hard wiring would be difficult or impossible to complete e.g. decorative finishes to the interior of the protected building preclude wiring runs or where the time scales to complete installation are minimal. The Excellence gateway allows the system designer full flexibility in selecting which devices on the loop are to be hardwired and which are to be wireless.

Software Compatibility

Recommended minimum firmware/software versions for full compatibility:

2X-AT Panel V5.5.23
SmartCell Devices V2.22
Configuration Utility V5.5.0.6



Dettagli

- Quick and easy to install
- Freely programmable to suit the protected area
- Automatic selection from 32 wireless channels for reliable signalling
- Multipath technology ensures a robust wireless solution
- Diversity transceivers allow maximum operational range

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Specifiche tecniche

Generale

Indicazione stato	80 character LCD display
Compatibilità	Excellence series addressable systems
Metodo di indirizzamento	Electronic
Intervallo di indirizzi	1 to 128

Elettrico

Tipo di alimentatore	Alimentato ad anello
Tensione di esercizio	17 to 29 VDC
Consumo attuale	55 mA (typical) 85 mA (max)

Isolamento

Tipo	Negative line break
Loop corrente	17 to 29 VDC
Resistenza serie	< 0.2 Ω
Switch corrente	< 1.2 A
Corrente di dispersione	< 1 mA
Tensione di isolamento	14 to 15.5 VDC
Voltaggio di riconnessione	14 to 15.5 VDC

Fisico

Dimensioni fisiche	270 x 220 x 80 mm (W x H x D)
Peso netto	1.45 kg
Colore	Bianco (RAL 9016)
Tipo di montaggio	Montaggio a parete
Materiale	Plastica
Specifiche cavo	0.13 to 3.31 mm² (26 to 12 AWG) shielded or unshielded twisted-pair (52 Ω / 500 nF max.)

Ambientale

A prova di vandalo	No
Temperatura operativa	-10 to +55°C
Temperatura di immagazzinamento	0 to +30°C
Umidità relativa	0 to 95% noncondensing
Ambiente	Interno
IP rating	IP54

Regolatorio

Conformità	CE, ICASA, REACH, RoHS 3, UKCA, WEEE
Certificazioni	CPR
Standards	EN54-13 (Upcoming), EN54-17, EN54-18, EN54-25, ETSI 300-220

Electrical

Configuration	< 4 Gateways per loop
Output transmitter power	14 dBm / 25 mW

Environmental

Application temperature	25 °C (typical)
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General

Wireless frequency	868 to 870 MHz
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Isolation

Constant current	< 1 A
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Physical

Loop length	2 km (using 0.8 mm² cable) 3 km (using 1.5 mm² cable)
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Prodotti compatibili

Categoria	Riferimento	Descrizione
Dispositivo di rivelazione	SH-21-0200-000 1-99	
Dispositivo di rivelazione	SH-51-0100-000 1-06	
Dispositivo di rivelazione	SH-51-0100-000 1-18	
Dispositivo di rivelazione	SH-51-0100-000 1-99	
Dispositivo di rivelazione	SH-51-0300-000 1-04	
Dispositivo di segnalazione	SH-22-0200-000 1-99	
Dispositivo di segnalazione	SH-23-0210-000 1-99	
Dispositivo di segnalazione	SH-23-0220-000 1-99	
Dispositivo di segnalazione	SH-31-0100-000 1-18	
Dispositivo di segnalazione	SH-31-0100-000 1-99	
Dispositivo di segnalazione	SH-31-0200-000 1-99	
Dispositivo di segnalazione	SH-32-0110-000 1-99	
Dispositivo di segnalazione	SH-32-0120-000 1-99	
Dispositivo di segnalazione	SH-32-0210-000 1-99	
Dispositivo di segnalazione	SH-32-0220-000 1-99	
Dispositivo di segnalazione	SH-33-0110-000 1-99	
Dispositivo di segnalazione	SH-33-0120-000 1-99	
Dispositivo di segnalazione	SH-33-0210-000 1-99	
Dispositivo di segnalazione	SH-33-0220-000 1-99	
Fermi elettromagnetici	SH-44-0200-000 1-99	
Fermi elettromagnetici	SH-44-0300-000 1-99	

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Prodotti compatibili

Categoria	Riferimento	Descrizione
Modulo di interfaccia	SH-41-0200-0001-99	