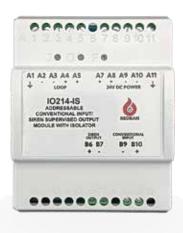
IO214, IO214-IS, IO214-I, IO214-I-IS, IO214-O, IO214-O-IS ADDRESSABLE CONVENTIONAL INPUT SUPERVISED SIREN OUTPUT





The IO214/IO214-X-X Module is designed to gather conventional inputs from outside of the fire alarm system or provide output to sounders that will indicate any alarms or trigger any sounder connected to the system.

All modules are certified by EN54 standard, which is the European standard (EN54-18 for input/output module, EN54-17 for short-circuit isolator).

IO214-I or IO214-I-IS is used to include conventional devices in the addressable system. They can operate 32 conventional devices each. This allows for the addition of more devices to the system with one address.

Output assignment can be made to IO214-O or IO214-O-IS according to the desired scenario. Based on this assignment, it can control a siren or any other device that operates with 24V.

IO214 or IO214-IS can work as both conventional input and supervised siren output. It can be programmed as an input-only, output-only, or both input and output module using the RB1201 address programmer.

Each module in the IO214-X-X module series is available in models with and without a built-in isolator.

Features

- Smart Addressable RAAP Protocol
- Conventional Input
- Supervised Siren Output
- Programmable with RB1201
- Three indicator LEDs
- Built-in isolator
- Open Circuit, Short Circuit and Alarm Detection
- Rail Mount and Wall Mount
- EN54-18 & EN54-17 Certified





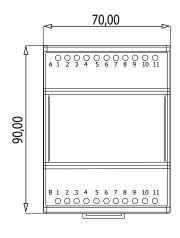
EN54-18:2005 + EN54-17:2005 **CPR No: 1922-CPR-1949**

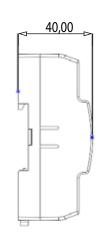


S3 ADDRESSABLE FIRE DETECTION AND CONTROL SYSTEM SOLUTION 3

TECHNICAL SPECIFICATIONS

LOOP OPERATING VOLTAGE 16 - 30 Vdc 16 - 30 Vdc LOOP OPERATING CURRENT 4150μA @ 24 Vdc 416μA B & 40μA		IO214/IO214-IS	IO214-I/IO214-I-IS	IO214-0/IO214-0-IS
STANDARDS EN54-18/17 EN5	DESCRIPTION	Conventional Input /	Conventional Input	Supervised Siren Output
LOOP OPERATING VOLTAGE 16 - 30 Vdc 150µA © 24 Vdc 12 mA © 24 Vdc (LED on) 12 mA © 24 Vdc (LED on) 12 mA © 24 Vdc (LED on) 12 mA © 24 Vdc 10 mA 24 Vdc 10 mA 25 vdc 16 - 30 Vdc 16 max 10 max 1 0 hm 10 max 1 0 hm 10 max 10 hm 10 max 10 hm 10 max 10 hm 10 max 15 und with Screw 10 max 15 und with Apparatus		Supervised Siren Output		
COP OPERATING CURRENT	STANDARDS	EN54-18/17	EN54-18/17	EN54-18/17
COP OPERATING CURRENT				
MAXIMUM ALARM CURRENT <12mA @ 24 Vdc (LED on)	LOOP OPERATING VOLTAGE	16 - 30 Vdc	16 - 30 Vdc	16 - 30 Vdc
RELAY CONTACT STRENGTH 300mA @ 24 Vdc N/A 300mA @ 24 Vdc SERIAL RESISTANCE max. 1 Ohm max. 1 Ohm Manuel Addressing Manuel Addressing Manuel Addressing Manuel Addressing Manuel Addressing SPECIFICATIONS SYSTEM WIRING Min. 0,8 mm² 2 core loop MountTing Position MountTing OPTIONS Surface Mount with Screw Rail Mount with Apparatus Rail Mount with Apparatus Rail Mount with Apparatus SOLATOR SPECIFICATIONS ISOLATOR SPECIFICATIONS ISOLATOR TYPE/SWITCH CURRENT SSCS (A.3) / 230-400mA SSCS (A.3) / 230-400mA SSCS (A.3) / 230-400mA STANDBY CURRENT/SERIAL RESISTANCE max. 150uA / max. 1 ohm Max. 150uA / max. 1 ohm ENVIRONMENTAL SPECIFICATIONS HUMIDITY 10% - 93% Relative Humidity 10% - 93% Relative Humidity 10% - 93% Relative Humidity Non-condensing OPERATING TEMPERATURE -10°C - 50°C -10°C - 50°C -10°C - 50°C ENVIRONMENTAL CATEGORY IP21 IP21 IP21 COMPATIBILITY AP104 ADDRESSABLE FIRE PANEL Yes Yes Yes Yes Yes	LOOP OPERATING CURRENT	<150µA @ 24 Vdc	<150µA @ 24 Vdc	<150µA @ 24 Vdc
SERIAL RESISTANCE max. 1 Ohm max. 1 Ohm max. 1 Ohm max. 1 Ohm ADDRESSING MODE Manuel Addressing Manuel Addressing Manuel Addressing SPECIFICATIONS SYSTEM WIRING Min. 0,8 mm² 2 core loop Min. 0,8 mm² 2 core loop Min. 0,8 mm² 2 core loop Mounting POSITION Wall Mount Wall Mount Wall Mount Wall Mount Surface Mount with Screw Surface Mount with Screw Rail Mount with Apparatus Rail Mount with Apparatus Rail Mount with Apparatus Rail Mount with Apparatus SISOLATOR SPECIFICATIONS ISOLATOR SPECIFICATIONS ISOLATOR TYPE/SWITCH CURRENT SSCS (A.3) / 230-400mA SSCS (A.3) / 230-	MAXIMUM ALARM CURRENT	<12mA @ 24 Vdc (LED on)	<12 mA @ 24 Vdc (LED on)	<12 mA @ 24 Vdc (LED on)
ADDRESSING MODE Manuel Addressing Min. 0,8 mm² 2 core loop Min. 0,8 m² 4 direction Mal Addressing Manuel Addressing Manuel Addressing Manuel Addressing Min. 0,8 m² 4 direction SCS (A.3) / 230-400m SCS (A.3) / 230-400m SCS (A.3) / 230-400m Asil Mount with Apparatus Rail Mount with Apparatus Rail Mount with Apparatus Rail Mount with Apparatus SCS (A.3) / 230-400m SCS (A.3) / 230-400m Asil Mount with Apparatus SCS (A.3) / 230-400m Asil Mount with Apparatus Rail Mount with Apparatus Rail Mount with Apparatus Rail Mount with Apparatus SCS (A.	RELAY CONTACT STRENGTH	300mA @ 24 Vdc	N/A	300mA @ 24 Vdc
SPECIFICATIONS SYSTEM WIRING Min. 0,8 mm² 2 core loop Min. 0,8 m² il may loop Surface Mount with Screw Surface Mount with Apparatus Rail Mount with Apparatus SSCS (A.3) / 230-400mA S	SERIAL RESISTANCE	max. 1 Ohm	max. 1 Ohm	max. 1 Ohm
Min. 0,8 mm² 2 core loop Mal Mount Wall Mount Surface Mount with Apparatus Rail Mount Nail Mount	ADDRESSING MODE	Manuel Addressing	Manuel Addressing	Manuel Addressing
MOUNTING POSITION Wall Mount Wall Mount Wall Mount Wall Mount MOUNTING OPTIONS Surface Mount with Screw Rail Mount with Apparatus Rail Mount with Ap	SPECIFICATIONS			
MOUNTING OPTIONS Surface Mount with Screw Rail Mount with Apparatus R	SYSTEM WIRING	Min. 0,8 mm ² 2 core loop	Min. 0,8 mm ² 2 core loop	Min. 0,8 mm ² 2 core loop
Rail Mount with Apparatus SCS (A.3) / 230-400mA SSCS (A.3) / 230-400mA S	MOUNTING POSITION	Wall Mount	Wall Mount	Wall Mount
ISOLATOR SPECIFICATIONS ISOLATOR TYPE/SWITCH CURRENT SSCS (A.3) / 230-400mA SSCS (A.3) / 230-400mA SSCS (A.3) / 230-400mA ISOLATOR RECONNECT/LEAKAGE CURRENT 3-13mA / max. 18mA 3-13mA / max. 18mA 3-13mA / max. 18mA STANDBY CURRENT/SERIAL RESISTANCE max. 150uA / max. 1 ohm max. 150uA / max. 1 ohm max. 150uA / max. 1 ohm ENVIRONMENTAL SPECIFICATIONS HUMIDITY 10% - 93% Relative Humidity 10% - 93% Relative Humidity 10% - 93% Relative Humidity Non-condensing Non-condensing Non-condensing OPERATING TEMPERATURE -10°C - 50°C -10°C - 50°C -10°C - 50°C ENVIRONMENTAL CATEGORY IP21 IP21 IP21 COMPATIBILTY AP104 ADDRESSABLE FIRE PANEL Yes Yes Yes Yes	MOUNTING OPTIONS	Surface Mount with Screw	Surface Mount with Screw	Surface Mount with Screw
ISOLATOR TYPE/SWITCH CURRENT SSCS (A.3) / 230-400mA Max. 150uA / max. 16mA Max. 150uA / max. 10hm		Rail Mount with Apparatus	Rail Mount with Apparatus	Rail Mount with Apparatus
ISOLATOR RECONNECT/LEAKAGE CURRENT 3-13mA / max. 18mA 3-13mA / max. 150uA / max. 1 ohm max. 150uA / max. 1 o	ISOLATOR SPECIFICATIONS			
STANDBY CURRENT/SERIAL RESISTANCE max. 150uA / max. 1 ohm max. 150uA / max. 1	ISOLATOR TYPE/SWITCH CURRENT	SSCS (A.3) / 230-400mA	SSCS (A.3) / 230-400mA	SSCS (A.3) / 230-400mA
ENVIRONMENTAL SPECIFICATIONS HUMIDITY 10% - 93% Relative Humidity 10% - 93% Relative Humidity 10% - 93% Relative Humidity Non-condensing Non-condensing Non-condensing Non-condensing Non-condensing Non-condensing OPERATING TEMPERATURE -10°C - 50°C -10°C - 50°C -10°C - 50°C ENVIRONMENTAL CATEGORY IP21 IP21 IP21 COMPATIBILTY AP104 ADDRESSABLE FIRE PANEL Yes Yes Yes Yes	ISOLATOR RECONNECT/LEAKAGE CURRENT	3-13mA / max. 18mA	3-13mA / max. 18mA	3-13mA / max. 18mA
HUMIDITY 10% - 93% Relative Humidity 10% - 93% Relative Humidity 10% - 93% Relative Humidity Non-condensing Non-condensing Non-condensing OPERATING TEMPERATURE -10°C - 50°C -10°C - 50°C ENVIRONMENTAL CATEGORY IP21 IP21 IP21 IP21 COMPATIBILTY AP104 ADDRESSABLE FIRE PANEL Yes Yes Yes Yes	STANDBY CURRENT/SERIAL RESISTANCE	max. 150uA / max. 1 ohm	max. 150uA / max. 1 ohm	max. 150uA / max. 1 ohm
Non-condensing Non-condensing Non-condensing OPERATING TEMPERATURE -10°C - 50°C -10°C - 50°C -10°C - 50°C ENVIRONMENTAL CATEGORY IP21 IP21 IP21 COMPATIBILTY AP104 ADDRESSABLE FIRE PANEL Yes Yes Yes AP204 ADDRESSABLE FIRE PANEL Yes Yes Yes	ENVIRONMENTAL SPECIFICATIONS			
OPERATING TEMPERATURE -10°C - 50°C -10°C - 50°C -10°C - 50°C ENVIRONMENTAL CATEGORY IP21 IP21 IP21 COMPATIBILTY AP104 ADDRESSABLE FIRE PANEL Yes Yes Yes AP204 ADDRESSABLE FIRE PANEL Yes Yes Yes	HUMIDITY	10% - 93% Relative Humidit	y 10% - 93% Relative Humidit	y 10% - 93% Relative Humidity
ENVIRONMENTAL CATEGORY IP21 IP21 IP21 COMPATIBILTY AP104 ADDRESSABLE FIRE PANEL Yes Yes Yes AP204 ADDRESSABLE FIRE PANEL Yes Yes Yes		Non-condensing	Non-condensing	Non-condensing
COMPATIBILTY AP104 ADDRESSABLE FIRE PANEL Yes Yes Yes AP204 ADDRESSABLE FIRE PANEL Yes Yes Yes	OPERATING TEMPERATURE	-10°C - 50°C	-10°C - 50°C	-10°C - 50°C
AP104 ADDRESSABLE FIRE PANEL Yes Yes Yes AP204 ADDRESSABLE FIRE PANEL Yes Yes Yes	ENVIRONMENTAL CATEGORY	IP21	IP21	IP21
AP204 ADDRESSABLE FIRE PANEL Yes Yes Yes	COMPATIBILTY			
	AP104 ADDRESSABLE FIRE PANEL	Yes	Yes	Yes
AP304 ADDRESSABLE FIRE PANEL Yes Yes Yes	AP204 ADDRESSABLE FIRE PANEL	Yes	Yes	Yes
	AP304 ADDRESSABLE FIRE PANEL	Yes	Yes	Yes





PHYSICAL SPECIFICATIONS

CASE MATERIAL	PC/ABS Case
DIMENSIONS (H x W x D)	90 x 70 x 40 mm
WEIGHT	90 grams

