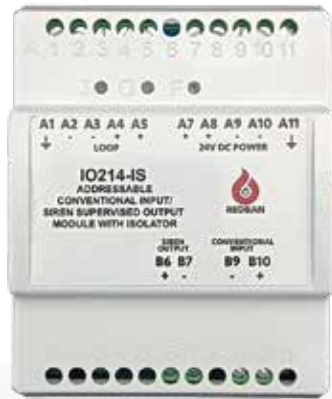# IO214, IO214-IS, IO214-I, IO214-I-IS, IO214-O, IO214-O-IS
ADDRESSABLE CONVENTİONAL INPUT
SUPERVISED SIREN OUTPUT

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 ınput/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

EN 54-18   **EN 54-17**

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

TECHNICAL SPECIFICATIONS

	IO214/IO214-IS	IO214-I/IO214-I-IS	IO214-O/IO214-O-IS
DESCRIPTION	Conventional Input / Supervised Siren Output	Conventional Input	Supervised Siren Output
STANDARDS	EN54-18/17	EN54-18/17	EN54-18/17
LOOP OPERATING VOLTAGE	16 - 30 Vdc	16 - 30 Vdc	16 - 30 Vdc
LOOP OPERATING CURRENT	<150µA @ 24 Vdc	<150µA @ 24 Vdc	<150µA @ 24 Vdc
MAXIMUM ALARM CURRENT	<12mA @ 24 Vdc (LED on)	<12 mA @ 24 Vdc (LED on)	<12 mA @ 24 Vdc (LED on)
RELAY CONTACT STRENGTH	300mA @ 24 Vdc	N/A	300mA @ 24 Vdc
SERIAL RESISTANCE	max. 1 Ohm	max. 1 Ohm	max. 1 Ohm
ADDRESSING MODE	Manuel Addressing	Manuel Addressing	Manuel Addressing

SPECIFICATIONS

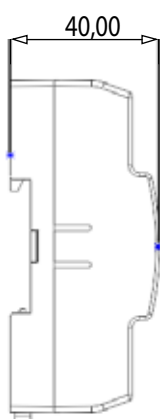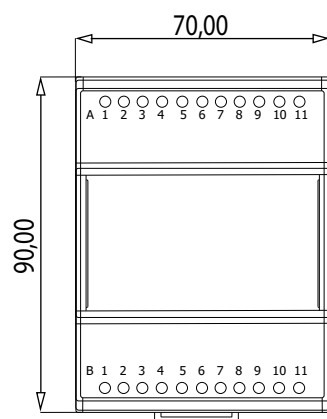|			
SYSTEM WIRING	Min. 0,8 mm² 2 core loop	Min. 0,8 mm² 2 core loop	Min. 0,8 mm² 2 core loop
MOUNTING POSITION	Wall Mount	Wall Mount	Wall Mount
MOUNTING OPTIONS	Surface Mount with Screw Rail Mount with Apparatus	Surface Mount with Screw Rail Mount with Apparatus	Surface Mount with Screw Rail Mount with Apparatus

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 Non-condensing	10% - 93% Relative Humidity Non-condensing	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

COMPATIBILTY

AP104 ADDRESSABLE FIRE PANEL	Yes	Yes	Yes
AP204 ADDRESSABLE FIRE PANEL	Yes	Yes	Yes
AP304 ADDRESSABLE FIRE PANEL	Yes	Yes	Yes

70,00

40,00

90,00

A 1 2 3 4 5 6 7 8 9 10 11

B 1 2 3 4 5 6 7 8 9 10 11

PHYSICAL SPECIFICATIONS

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

REDBAN
Fire and Gas Control Systems