

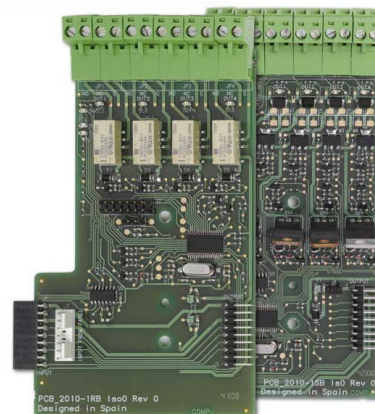
ZP1 Series Option Boards

2010-1-NB, 2010-1-RB, 2010-1-SB

Overview

ZP1 fire control panels offer state of the art architecture in configurations that deliver an uncomplicated solution for small to mid-sized conventional applications. They feature an attractive contemporary design that fits with any decor. The gently curved door front offers a distinctive flair. Operator controls are inset in a striking blue lexan.

With support for multiple lines of conventional detectors and accessories, these quick-to-configure systems offer versatility that benefits building owners and installation/maintenance companies alike.



2010-1-NB Network Interface

The 2010-1-NB RS485 FireNet network board allows for the creation of a bus mode class-B, or redundant class-A, 32 node network, supporting up to 64 zones. Each node may be a fire panel or a fire panel repeater. When optical fibre is preferred, when cable lengths above 1500 m between nodes are required, or in cases where high levels of EMC are expected, a standard RS485 to fibre converter may be used.

2010-1-RB Relay Output Board

The 2010-1-RB is a programmable, voltage free relay board. It provides 4 auxiliary outputs for the ZP1 conventional fire alarm control panel. These outputs may be allocated to activate on various alarm statuses of the panel, or to activate on the status of any, all or combinations of the individual fire detection zones in the panel. Up to 4* of these modules may be installed on the ZP1 panel line.

* Quantity depends on the size of the fire panel cabinet.

2010-1-SB Supervised Output Board

The 2010-1-SB is a programmable, supervised relay board. It provides 4 auxiliary outputs for the ZP1 conventional fire alarm control panel. These outputs may be allocated to activate on various alarm statuses of the panel, or to activate on the status of any, all or combinations of the individual fire detection zones in the panel. Up to 4* of these modules may be installed on the ZP1 panel line.

* Quantity depends on the size of the fire panel cabinet.

Standard Features

- 2010-1-NB
 - » Class A or B network support
 - » Up to 1500 m between nodes
 - » May be used for panels and repeaters
 - » Up to 32 nodes / 64 zones
 - » Pluggable connectors
 - » Connects directly to the main board
 - » Networks conventional and addressable panels
- 2010-1-RB
 - » 4 Potential free, COM-NO-NC, relay outputs
 - » Bus type, easy cable free panel installation
 - » Powered from panel bus
 - » "AND" and "OR" programming functionality
 - » Output delay setting per output
- 2010-1-SB
 - » 4 Reversed polarity, supervised outputs
 - » Bus type, easy cable free panel installation
 - » Powered from panel bus
 - » "AND" and "OR" programming functionality
 - » Output delay setting per output



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Specifications

NETWORK BOARD - 2010-1-NB

Protocol	Proprietary
Medium	Copper RS485
Operating mode	Class A or B
Distance between nodes (max)	1500 m
Environmental conditions	
Operating temperature	-8°C to +42°C
Storage temperature	-10°C to +50°C
Relative humidity (max)	95 % (non-condensing)
Mechanical	
Weight	0.04 kg

RELAY BOARDS

Electrical	
Operating voltage	24 VDC
Current (quiescent)	30 mA
Current (active)	1 A
Environmental	
Operating temperature	-5°C to +40°C
Storage temperature	-5°C to +70°C
Relative humidity (noncondensing)	10 to 95%
Physical	
Number of outputs	4
Dimensions	127 × 76 mm
>>> 2010-1-RB	
Relay contact rating	2 A @ 30 VDC
Weight	46 g
>>> 2010-1-SB	
Output rating (powered from panel)	250 mA (max) per output / 300 mA shared for all outputs
Output rating (powered externally)	250 mA (max) per output
Weight	48 g

Ordering Information

Part No.	Description
2010-1-NB	Conventional Fire Panel Accessory - Network Interface
2010-1-RB	Conventional Fire Panel Accessory - Relay Board - Unsupervised
2010-1-SB	Conventional Fire Panel Accessory - Relay Board - Supervised