

KFP-A Series Option Boards

KFP-A-LB, 2010-2-NB, 2010-2-RB

Overview

The KFP-A Series life safety control systems that bring the speed and functionality of high-end intelligent processing to small to mid-sized addressable applications are supported by a complete line of modules and related equipment that enhance performance and extend system capabilities. Option boards are easy to install and set up. They simply plug directly on the front of the fire panel main board on the easy to remove chassis. After installation, the plugable terminals remain easily accessible for quick connection of field wiring. The housing provides ample space and fixing solutions for wire routing, keeping wiring neat and easy to service at all times.

KFP-A-LB Loop Expansion Board - 2 loop

The loop board with plugable connectors adds 2 additional loops to your 2-loop low-end addressable fire panel that doubles the amount of devices to be supported by one panel and 128 extra zones can be programmed. Together with the 2 additional loops, 4 supervised sounder/fire-routing outputs, which can be used as freely programmable outputs, come along as well. The board can be plugged directly on the front of the main board of the panel on the easy to remove chassis. No additional cabling needs to be done.

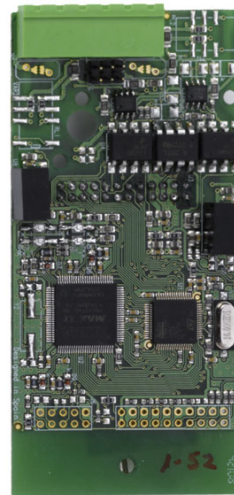
2010-2-NB Network Board

The Firenet network board allows you to create a robust class A redundant 32 node network, via RS485, supporting maximum 32 loops. Each node can be a fire panel with or without user interface (= black box) or a fire panel repeater. In case optical fiber is required to cover more than 1200m between nodes or in case of EMC issues we recommend a copper/fiber converter.

2010-2-RB Relay Board *

The 8 output relay board provides 8 additional non-supervised outputs for the fire panel. Two outputs are already compiled with relays, the other 6 can be used as either open collector outputs (standard) or you can add optional relays to them. The outputs may be allocated to activate on various statuses of the panel.

* Future release



Standard Features

- KFP-A-LB
 - » 2 loops and adds up to 128 zones
 - » 4 programmable outputs
- 2010-2-NB
 - » Class A network
 - » 1200m between nodes
 - » For panels and repeaters
 - » Up to 32 nodes / 32 loops
- 2010-2-RB
 - » 8 outputs
 - » 6 open collector (optional relays)

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Specifications

KFP-A-LB

Loop outputs	2, 250mA / 29VDC (29VDC to 36VDC)
Loop cable length	56ohm / 1µF max. 4 km
Loop cable type	Recommended 2 core 1.5mm ² twisted pair
Programmable supervised outputs	2, 750mA / 19.5-28VDC (24VDC nominal)
Output cable type	Recommended 2 core 1.5mm ² twisted pair
Output End of Line resistor	15kOhm
Weight	0.12 kg

2010-2-NB

Protocol	Proprietary based on RS485
Class	Class A
Max. distance between nodes	1200m
Weight	0.04 kg

2010-2-RB

Outputs qty	8
Used as relay	30V / 2A (2 NO and NC, 6 NO or NC)
Used as open collector	Max. 35mA
Output cable type	Recommended 2 core 1.5mm ² twisted pair
Weight	0.05 kg

Environmental conditions

Storage temperature	-10°C to +50 °C
Operating temperature	-8°C to +42 °C
Relative humidity	max. 95 % (non-condensing)

Ordering Information

Part No.	Description
KFP-A-LB	Addressable Fire Panel Accessory - Loop Expansion Printed Circuit Board - 2 loop
2010-2-NB	Addressable Fire Panel Accessory - Network Printed Circuit Board
2010-2-RB	Addressable Fire Panel Accessory - Relay Printed Circuit Board - 8 outputs
2010-2-RB-6R	Addressable Fire Panel Accessory - Relays - 6 pieces