



2010-2-PIB

Addressable Fire Panel Accessory - Peripherals Interface Board

Overview

The 2010-2-PIB Peripherals Interface Board is an accessory of the small to medium size intelligent addressable life safety control systems. In total there are 4 variants of this board. The 2010-2-PIB is the most extended variant of the range and provides ways to interface other electronic equipment on site.

Functionality

The 2010-2-PIB Peripherals Interface Board provides eight inputs and outputs and four relay outputs for compatible control panels. The board is designed to support German marketplace requirements in control panels operating in VdS 2540 mode and provides an interface to the IFAM System 3000 network, fire brigade equipment, and other regional control and indicating equipment and devices. The board can be powered from the control panel or from an external power supply, providing 24 VDC to each of the supervised outputs. Inputs and outputs (excluding relay outputs) are supervised for short circuit and open circuit faults.

Mounting & Connections

The board can be plugged directly on the front of the main board inside the big size control panel variants on top of the new release 3 chassis. No additional wiring is required. You can use the pluggable connectors to make your connections to the field wiring. Connect an external power supply to the board directly to reduce the load of your system.



Standard Features

- 8 supervised inputs
- 8 supervised outputs
- 4 relay outputs
- Option to externally power
- Interface to the IFAM System 3000 network
- Operating in VdS 2540 mode
- Pluggable connectors

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Specifications

Operating voltage	24 VDC
Current supply	
Standby	40 mA max.
Activated	4050 mA max.
Current per output	
Activated	500 mA at 25°C
Input activation (VdS)	
Open circuit	>3.9 kOhm
Quiescent	2.2 kOhm to 3.3 kOhm
Activated	60.2 Ohm to 1.7 kOhm
Short circuit	<60.2 Ohm
Input activation (standard)	
Open circuit	>20.2 kOhm
Quiescent	15 kOhm
Activated	60.2 Ohm to 8 kOhm
Short circuit	<60.2 Ohm
End-of-line termination	
Input (VdS)	2.2 kOhm to 3.3 kOhm resistor (FSD, SST,EMZ)
Input (typical)	EOL 15 kOhm, 1/4 W resistor (FSE, ÜE, FAULT, configurable)
Output (typical)	EOL 15 kOhm, 1/4 W resistor
Output (EN 54-13)	EOL Class B (EN 54-13) device
Relay contact rating	2 A at 30 VDC
3.3 kOhm / 680 Ohm switched relay output activation	
Activated	560 Ohm
Not activated	3.3 kOhm
Operating environment	
Operating temperature	-5 to +40°C
Storage temperature	-20 to +50°C
Relative humidity	10 to 95% (noncondensing)
Weight	164 g
Dimensions (W × H)	105 × 192 mm
Compatibility	Release 3 hardware / firmware

Ordering Information

Part No.	Description
2010-2-PIB	Addressable Fire Panel Accessory - Peripherals Interface Board

