

2010-2-PIB

Centrales analógicas: tarjeta de 8 entradas supervisadas, 8 salidas supervisadas y 4 salidas de relé.

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.



Details

- 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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Technical specifications

General

Compatibilidad	Release 3 hardware / firmware
Capacidad máxima del sistema (número de dispositivos)	de 1 a 32, más de 160K, hasta 120K, hasta 128, hasta 160K, hasta 20K, hasta 256, hasta 4096, hasta 512, hasta 60K, hasta 64, hasta 96
Tamaño de la red (nodos)	de 1 a 32, más de 128, hasta 128, hasta 64

Eléctrico

Tipo de fuente de alimentación	VCC
Voltaje de funcionamiento	24 VDC
Consumo de corriente	40 mA max.(standby) 4050 mA max. (activated)

Zona

Máxima capacidad de zona	1 a 64, más de 1024, hasta 1024, hasta 256
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Salida

Ratio y tipo de salida	500 mA at 25°C (activated)
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Físico

Factor de forma	Grande
Dimensiones físicas	105 x 192 mm (W x H)
Peso neto	164 g
Peso de envío	240 g
Tipo de Montaje	En armario

Medioambiental

Temperatura de funcionamiento	+5 to +40°C
Temperatura de almacenamiento	-20 to +50°C
Humedad relativa	10 to 95% noncondensing

Estándares y regulaciones

Certificación	EN54-13, EN54-2
Medioambiental	CPD WEEE RoHS

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
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3.3 kOhm / 680 Ohm switched relay output activation

Activated	560 Ohm
Not activated	3.3 kOhm

