



EWK-4001 ADDRESSABLE MULTI-INPUT SUPERVISING DEVICE

Overview

The EWK-4001 addressable multi-input supervising element is designed for monitoring of external fire protection equipment (e.g. fire proof door, fire damper). The element can operate only in lines/loops of the addressable POLON 4000 system fire alarm panels.

This device can be installed indoors or outdoors.

Principles of operation

The EWK-4001 device is equipped with eight independent monitoring inputs routed to a junction block. At the moment of switching the monitored contact (NO or NC per choice) at either input, the EWK-4001 device sends to the control panel a signal of a technical alarm, fire alarm or inconcealable fault in an event of a malfunction of the controlled circuit (depending on the programmed mode) additionally providing the number of the input, which changed its status. The status change is signalled by a flashing red LED diode built-in in the casing of the controlling element.

The EWK-4001 is equipped with an internal short-circuit isolator.

Coding of the EWK-4001 element's address is made automatically from the control panel – the address code is saved in a stable memory of the EWK-4001.

Design

The casing of EWK-4001 multi-input supervising device is cuboid shape, made of plastic with printed circuit board with monitoring lines and row of junction blocks for connection of installation wires built in. The casing ensures a high grade of tightness, enable of assembly it at the spaces where a hard condition are present or outside of the buildings. The casing has got a proper seal glands dedicated for monitoring lines connected to the element.

Technical specifications

Operating voltage	16.5 ÷ 24.6 V
Current consumption	≤ 150 µA
Number of monitoring inputs	8
Initiation of monitoring line	potential-free change-over contact NO or NC
Max. number of elements in one detector line	20
Max. number of co-operating elements:	
- with POLON 4100 control panel	40
- with POLON 4200 control panel	50
- with POLON 4900 control panel	100
- with POLON 4500 control unit	80
Operating temperature range	from -25 °C up to +55 °C
Ingress protection	IP 65
Dimensions with glands	175 x 146 x 75 mm
Mass	0.5 kg