



EKS-6222P INPUT / OUTPUT DEVICE

Overview

The EKS-6222P input/output devices are designed to react to a signal given by the control panel to activate the alarm and fire protection devices. It enables to monitor efficiency of controlled devices and its proper operation. It can be used for monitoring of any device without relation to its former control.

The EKS-6222P input/output devices are equipped with 2 high voltage outputs, 2 low voltage inputs and 2 high voltage inputs.

The EKS-6222P input/output devices can operate in addressable detection lines of POLON 6000 series panels only.

Principle of operation

Switching-on the relay in the EKS-6222P takes place at a command from the control panel and is indicated by flashing of its red colour LED diode. Reset of an activated alarm from the control panel returns the relay contacts to their previous position.

Mode of operation of this element can be programmed using the control panel and it is based on the following settings:

- operation type of the relay output (off, continuous, impulse, cyclic, cyclic finite),
- the possibility to monitoring the continuity of the wire connected to the relay output (monitoring is on or off),
- „fail safe” function – without change, triggered, not triggered,
- input function of low voltage – monitoring, alarm,
- mode of operation of low voltage input – NO, NC or high voltage input; (voltage – quiescent mode, lack of voltage – active)
- time programming: triggering delay, triggering duration, reset delay and reset duration,

EKS-6222P type elements are equipped with short circuit insulator.

Addressing of the element can be made automatically by the control panel – the address is stored in element's non-volatile memory.

Design

EKS-6222P elements consist of printed board with electronic components, connectors and housing. Housing is equipped with holes on each corner to screw it to the wall.

Housings have high IP rate and can be used in hard environmental conditions or outdoor. It is equipped with appropriate cable glands separate for detection line and input/output lines.

Technical specifications

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| Operation voltage | from 16,5 to 24,6 V |
| Current consumption in stand-by mode | < 550 μ A |
| Number of number relay outputs | 2 |
| The current load of relay contacts NO/NC | max 12 A/230 V AC/2,76 kVA |
| Controlled device power supply voltage | from 6 to 220 V DC, 230 V AC |
| Control line current | < 200 μ A (from 6 to 220 V DC) < 370 μ A (230 V AC) |
| Control output fail-safe state | without change, triggered, not triggered |
| Number of monitoring inputs: | |
| - high voltage | 2 |
| - low voltage | 2 |
| Activation of monitoring low voltage input | - potential free NO or NC contact |
| Activation of monitoring high voltage input | - under voltage contact |
| Operation temperature range | from -40°C to +70°C |
| IP rate | IP 66 |
| Dimensions: | max 202 x 180 x 74 mm |
| Types of cable glands: | |
| - detection lines cables, low voltage | type M12 |
| - control and high voltage cables | type M16 |
| Mass | < 0,5 kg |