Fire Extinguishing Control Panel
FS5200E

The FS5200E Fire Extinguishing Control Panel is designated for fire protection, monitoring and control of systems for active extinguishing. The Panel is designed in accordance with European standards EN54-2 and EN54-4 Fire detection and fire alarm systems - Controlling and indicating equipment; and EN12094-1 Fixed firefighting systems - Component for gas extinguishing systems - Requirements and test methods for electrical automatic control and delay devices.

After processing the signals from the automatic fire detectors or manual call points the FS5200E makes commands to the executive devices for extinguishing, sound-light signalers, air conditioning and ventilation devices, etc.

MORE THAN 10 DISPLAY LANGUAGES AVAILABLE

Functional data

– Fire detection lines and fire alarm lines are monitored for shortcircuit or open-circuit fault
– Detection for removed fire detector
– Automatic reset of the fault warning condition
– Programmable countdown release timer - 0 to 5 minutes
– Programmable Extinguishant duration timer - 10 sec. to 5 minutes
– Real time clock and Event log of 100 events
– CAN interface for networking with the UniPOS Addressable Fire Alarm System
– RS485 interface for communication with a Repeater panel
– Optional module for Release pressure condition
– Optional module for Extinguishing outputs multiplication
– Built-in sounder for Fire condition and Fault condition with the option for switching off
–Test modes and setting option

Technical data

Fire detection lines: 3
– for extinguishing release: 2
– common fire detection line: 1
Maximum number of fire detectors in a line: 32
Monitored inputs for:
– manual release: 1
– hold release: 1
– disable: 1
– mode select: 1
– low pressure: 1

Controllable outputs relay (24±3)V DC:
– for sounders in Fire condition: 1
– for sounders in Extinguishing status: 1
– for Extinguishing switching on: 1

Power supply:
– mains: 220/230V AC, 50/60 Hz

– backup battery: 2x12V DC, 12 Ah

Relay output switching 3A/125V AC, 3A/30V DC:
– for Fire condition: 3
– for Fault condition: 1

Outputs open collector type: 3

Indication of registered events:
– sound: built-in buzzer
– light: LED
– text messages: LCD display, backlit

Maximum current to external devices: 2,5A at (24±3)V DC

Operating temperature: -5 °C to +40 °C

Relative Humidity: (93±3)% at 40 °C
Dimensions: 450x355x115 mm
Weight (excluding the backup battery): 6,6 kg

Buttons

Emergency HOLD call point FD3050B

The button operates with Control Panel FS5200E and holds extinguishing, increasing the evacuation time. It is to be installed close to the object of extinguishing.

Fire alarm line is controlled for a short circuit and for an interruption.

Extension release call point FD3050G

Extension release call point FD3050G is designed for individual operation. It can be used to activate additional (independent) automatics, performing extinguishing from additional source of extinguishing agent.

The button has a built-in switcher with one normally open contact and resistor of 1,5 kΩ. When pressing the button, the contact is closed and commutates circuit through resistor of 1,5 kΩ.

Manual release call point FD3050Y

The call point operates with Control Panel FS 5200E and activates the extinguishing. It is to be installed close to the object of extinguishing.

By means of this call point forced extinguishing process can be started only after visual inspection of an authorized person if there is a real fire condition. Fire alarm line is controlled for a short circuit and for an interruption.

Mode selector switch FD5302

FD5302 is designed for operation with Fire Extinguishing Panel FS 5200E.
It allows the key for Mode Selection of the Extinguishing Control Panel to be backed up and separated from it. Connecting line is controlled for a short circuit and for an interruption.

– Selection operation Mode of the control panel-manual or automatic
– Disabled extinguishing mode

Remote extinguishing module FD5301

The FD5301 module is compatible with panel FS5200E. The module application is to duplicate the control and indication of the extinguishing procedure on suitable remote location. Basic functions:

– Manual activation of Extinguishing
– Selecting the Control Panel Modes of operation: Manual/Auto or only Manual mode
– Disable Extinguishing and Hold Extinguishing