Designation

SFCP II-Rail – Smart Fire Control Panel

Type	Art. Nr.
SFCP II-Rail	**59.762.37**

Technical Specification:

Enclosure

Dimension (L x B x H)	120 x 80 x 59mm
Weight	355 g
Material	ABS
Colour	Black – RAL 9005
Rating	IP65
Ambient Temperature Range	-25 to 65 °C
Cable gland holes	2xM16x1,5; 1xM20x1,5
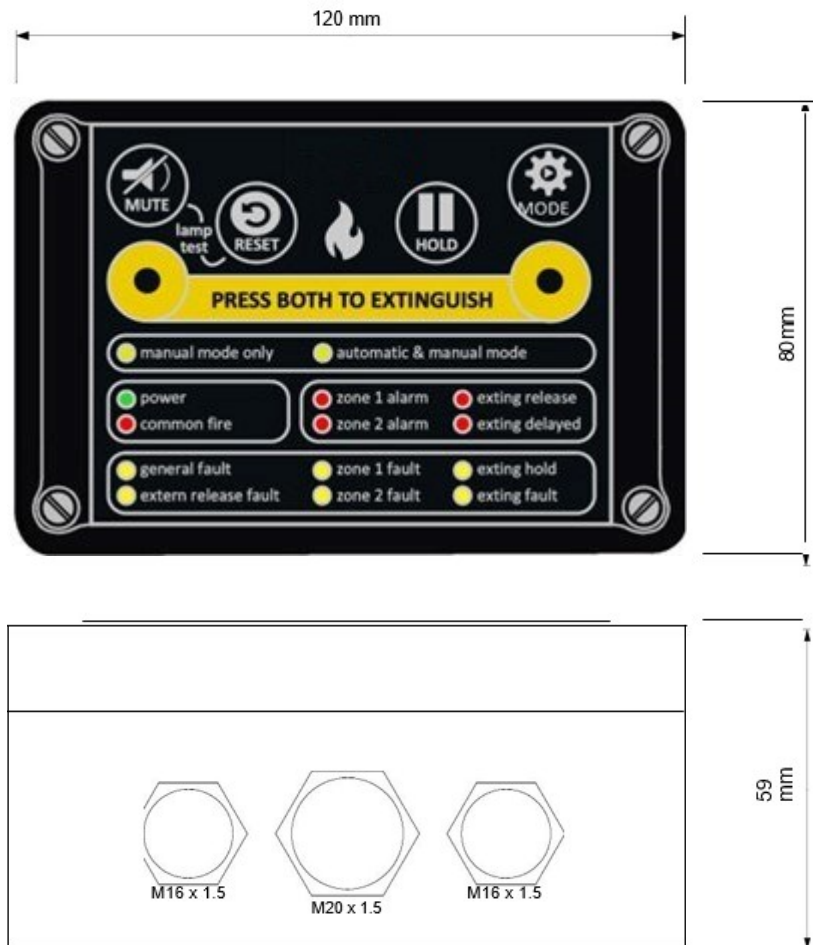
Power related specification

Main power supply	8 to 32 VDC
Maximum power usage	5 Watt
Maximum voltage VFC	32 VDC
Maximum current VFC	1 A
Voltage extinguishing line	15 VDC
Limited alarm current fire detectors	60 mA
Sounder / beacon alarm maximum current	max. 100 mA (@ 24VDC)
Sounder / beacon voltage main powered mode	8 to 32 VDC

Connector and cable specification

Conductor cross section	> 0.5 mm² and < 1.5 mm²
Conductor cross section AWG	20 ... 16
Stripping length	8 mm, advisable to use cable end sleeves
Maximum cable length	175 m

Extinguisher output specification

End of line component	Diode with anode connected to + connection
Recommended diode	1N5400, 1N4007, RL201, SF21
Extinguisher release current	< 1,3 A
Extinguisher release pulse length	> 50 ms and < 55 ms

Detection zone inputs

Normal operation	> 8 kΩ and < 12 kΩ
Alarm mode	> 100 Ω and < 1200 Ω
Operational voltage range requirement	9 – 20 VDC

Remote button inputs (hold & extinguishing release)

Normal operation	> 8 kΩ and < 12 kΩ
Button pressed mode / Alarm mode	> 100 Ω and < 1200 Ω
Operational voltage range requirement	9 – 20 VDC

Key features

- the SFCP II-Rail can be operated fully manual as well as in combination with a single- or double knock fire detection, alarm and extinguishing function

- two individuals, fully monitored fire alarm input zones for the connection of conventional smoke and heat sensors, linear heat cable as well as heat detector (HDL-3) with automatic reset

- two individuals, fully monitored input groups for the connection of external manual extinguishing release and hold buttons

- one fully monitored output for the connection of aerosol fire extinguishing generators

- one output for the connection of visual/acoustic alarm devices

- volt free contacts for "fire alarm", "fault" and "1. or 2. Alarm"

- two integrated extinguishing release buttons to be pressed simultaneously to prevent for unwanted releases

- an extinguishing hold button to postpone releases (puts delay timer back to the start)

- mode button to easily switch between manual only- and automatic & manual extinguishing mode

- settable extinguishing delay time (0 – 35 sec) to prevent unwanted releases including option to override the extinguishing delay time at manual release

- watchdog timer for additional safety

- historic event log memory readable from a mini-USB port

- the SFCP II-Rail works on an input voltage of 8 to 28 Volt DC

- a waterproof IP65 (EN 60529) ABS enclosure

Fulfils

EU-Directive 2014/30/EU

FCC-Conformity according to EN 50130-4/2011

FCC CFR 47, Part 15/2013

EN 61000-4

EN 50155:2022-06; EN 60068, EN 61373

EN 50121-3—2:2016/A1:2019