ESSER
by Honeywell

Manual call points and manual triggering devices

- **IQ8 manual call points for connection to the esserbus/ esserbus PLus fire detection systems 8000 and IQ8Control**
- **Conventional manual call points for universal application in systems such as fire alarm systems and extinguishing**
- **In compliance with the requirements stipulated in the EN-54-11 regulations**
- **Electronic modules can be selected depending on the application area**
- **The detector housing is available in five different colours**
- **Slimline design**
- **Reset and opening with the standard housing key which is part of the scope of delivery**
- **Additional test function with optional service key available**

Greater diversity all along the line
Novar's diverse strategy consistently allows best economical solutions, covering the whole range from cost-saving electronic modules for conventional manual call points to loop compatible electronic modules for IQ8 manual call points.

For reduced storage expenses and easy maintenance, we simply choose the appropriate housing for each electronic module - depending on the application area. That way, we can guarantee that for each application and the desired alarm triggering, the optimum electronic module and housing combination is selected. With the optional service key, it is possible to actuate the innovative manual call point within the framework of the maintenance procedures (inspection/maintenance) without opening the housing. In this way, maintenance and inspections can be carried out within a very short time.

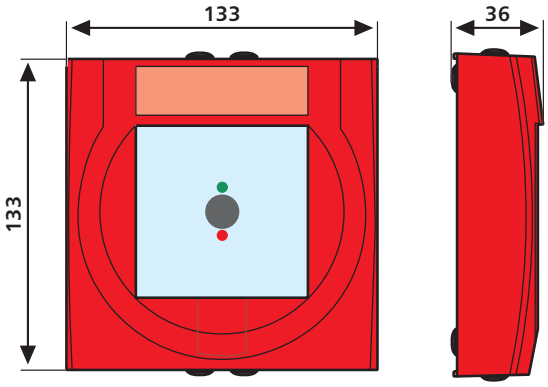
Planning information:
When using the detector as a manual call point, a red housing and the standardized symbols in compliance with EN 54-11 must be used. These standardized symbols are provided on site. According to standard specifications other labeling and housing colors cannot be used as manual call points but as manual triggering devices. When adding the optional protective tube option (Part No. 781693) and the corresponding accessory items (Part No. 781699), the standard protection for detectors against mechanical influences can be increased. As standard the detector comes with IP class 44 which can be increased to IP 55 by using the optional shrink sleeves (Part No. 704917).

Electronic module for conventional manual call points
The electronic modules offer a cost-effective solution for the conventional MCP. These can be operated universally with conventional fire detector groups or via fire detector systems 8000 and IQ8Control esserbus transponders. When the manual call points are actuated, the integrated red light diode (LED) is automatically activated. So an unequivocal and secure optical identification of the actuated detectors is guaranteed. A module with a second microswitch is also optionally available. The floating contacts can be used e.g. for the control of other external devices or signalling devices.

Electronic module for IQ8MCP
The electronic modules for IQ8 manual call points cover a wide range of application areas and are connected as esserbus or powered loop users via the 8000 and IQ8Control fire alarm system loops. The built-in microprocessor provides the following functions: alarm latch, alarm indicator and soft address coding. Further, an external detector line with conventional manual call points can be connected to the electronic module.

To ensure the operability of the fire alarm system in case of short circuit or a fracture within the primary loop, a zone isolator is already integrated in each module. There is also an optional variant available with a relay output, which is automatically activated with the actuation of the IQ8MCP. The relay output can be programmed as a control group with tools 8000

Dimensions:



Available colors:

Technical data

Version	Conventional	IQ8 manual call point
Operating voltage range	8 V DC to 30 V DC	8 V DC to 42 V DC
Rated voltage	9 V DC	19 V DC
Quiescent current @ 19 V DC		approx. 45 µA
Alarm current @ 9 V DC	approx. 9 mA	approx. 9 mA, pulsated
Emergency operation alarm		approx. 18 mA
Contact load	max. 30 V DC / 1 A (2. microswitch)	max. 30 V DC / 1 A (relay)
No. of detectors/zone	10 detectors per zone (as per VdS)	max. 127 detectors per loop
Operating indicator		flashing LED 1, green
Alarm indicator	LED, red	flashing LED 2, red
Connection terminals	max. 2.5 mm^2 (AWG 26-14)	max. 2.5 mm^2 (AWG 26-14)
Application temperature	-20 °C to +70 °C	-20 °C to +70 °C
Storage temperature	-30 °C to +75 °C	-30 °C to +75 °C
Type of protection	IP 44 (in the housing) IP 55 (with 704917)	IP 44 (in the housing) IP 55 (with 704917)
Housing	PC ASA plastic	PC ASA plastic
Weight with housing	approx. 236 g	approx. 236 g
Housing dimensions (W x H x D)	133 x 133 x 36 mm	133 x 133 x 36 mm
Detector specification	EN 54-11, Type B	EN 54-11, Type B
VdS approval	G 205001	G 205002

Order Information		Part No.
Electronic module	Conventional	804900
	Conventional with 2. microswitch	804901
	Conventional w/o snap-on function	804902
	IQ8 with zone isolator and ext. d-line	804905
	IQ8 with relay output	804906
Housing	ASA plastic red, similar to RAL 3020 (for manual call points)	704900
	ASA plastic blue, similar to RAL 5015	704901
	ASA plastic yellow, similar to RAL 1021	704902
	ASA plastic orange, similar to RAL 2011	704903
	ASA plastic green, similar to RAL 6002	704904
Accessories	Spare glass (package unit: 10 pcs)	704910
	Option IP55 shrink sleeve for large MCP 80490x (package unit: 10 pcs)	704917
	Protective cap (German labelling)	781693
	Spacer for protective cap	781698
	IP 55 kit for protective cap	781699

For further order data please refer to our "Fire Alarm Technology" product line catalogue.

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