

# Manual Call Point Series HME

## Conventional technology / HME/FFFF/18/TT/LL

### Installation and Service Manual

Technical changes reserved

#### 1. Manual call point types

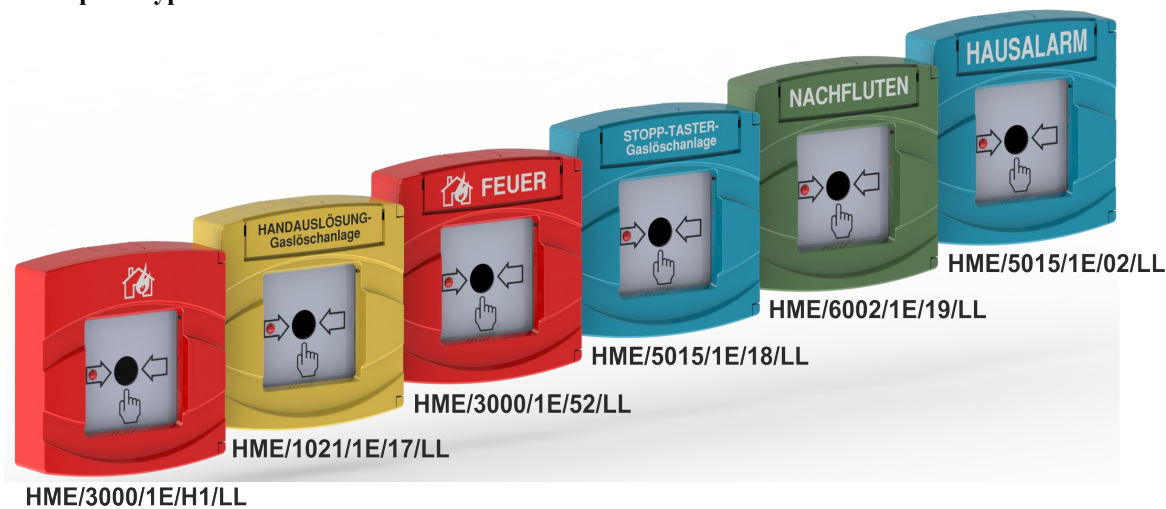


Fig. 1: Types of Manual Call Points HME/FFFF/18/TT/LL (figures exemplify)

Explanation of the type code:

→ FFFF=housing colour:  
→ 1E=electronic module type:  
→ TT=door label:

1021=rape yellow, 5015=sky blue, 7035=light grey  
18=conventional technology / 1 switch,

17=HANDAUSLÖSUNG-Gaslöschanlage (MANUAL RELEASE – Gas extinguishing system)  
18=STOPP-TASTER-Gaslöschanlage (EMERGENCY HOLD – Gas extinguishing system)  
27= Abort

→ LL=logo:

#### 2. Intended purpose

The Manual Call Points **HME/FFFF/18/TT/LL** are designed for connection to a conventional detector zone which is based on DC technology and variable resistance. The activation method complies with „Type B – indirect action“ according to EN 54-11. With the exception of manual call points (MCP's) for secondary flooding or for use as emergency hold devices, the MCP's are latching. The Status of the MCP is optically indicated by a LED.

When the locking lever is removed, the MCP can be used as a push-button.

#### 3. Project planning and operation

The mounting location of the MCP's in general is prescribed in the respective standards and guidelines (e.g., DIN VDE 0833-2). MCP's that are not in use have to be labelled with the included „Out of order“ sign.

#### 4. Removal of the door label cover

All MCP's with a door label cover allow you to change the label. To do so, remove the door label cover as shown in Fig. 2, change the label and put the plastic cover back on the housing.

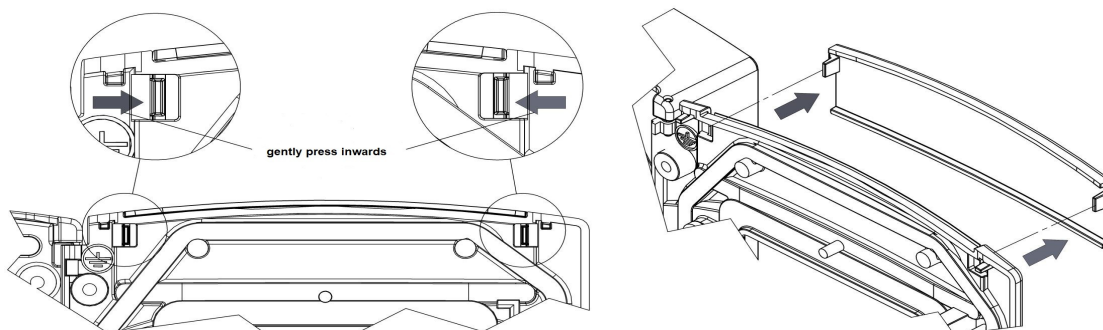


Fig. 2: Removal of the door label cover

## 5. Mounting of the manual call points and wiring information

The MCP is to be installed at a height of 1.4m +0.2 / -0.4m, in a place with good visibility.



For more information, please refer to DIN VDE 0833-2.



For the mounting of the housing, use suitable pan head screws and washers!  
The use of countersunk screws is not allowed!

Fig. 3 shows the dimensions and mounting dimensions of the MCP and the predetermined breaking point for the flush mounting cable lead-in. For direct mounting on a flush-mount installation box or cavity wall socket, open either the upper or lower predetermined breaking points at the back of the manual call point housing (see Fig. 3 - horizontal distance 60mm).

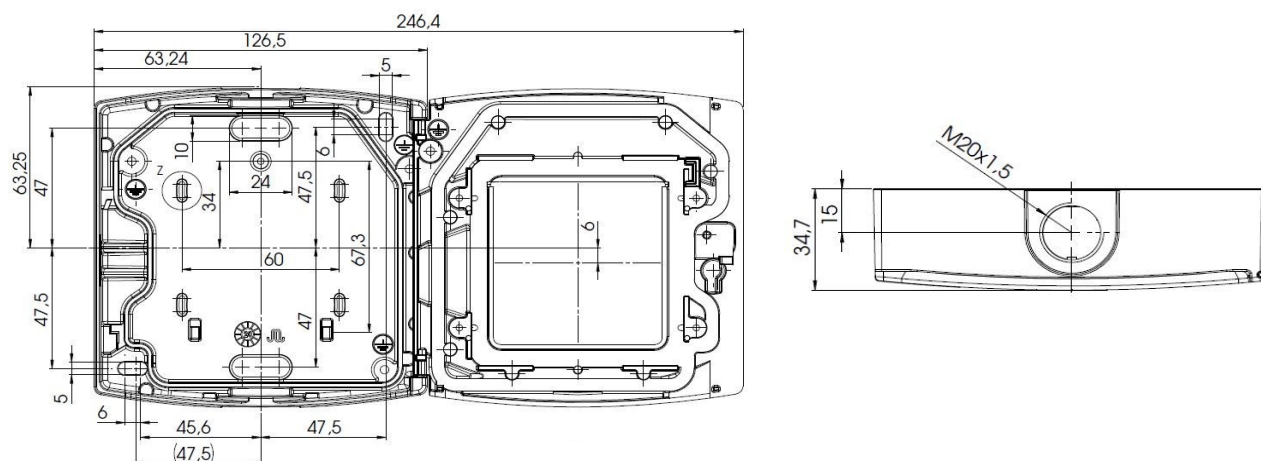


Fig. 3: Mounting dimensions and dimensions of the MCP

For wiring the MCP there are cable entries for surface mounting and for flush mounting.

Fig. 4 shows how the Manual Call Points **HME/FFFF/18/TT/LL** are connected to the detector zone. There is one terminal each for the positive and negative wires of the incoming and of the outgoing cable.



If shielded cables are used, the shield wire of the incoming cable has to be connected to the shield wire of the outgoing cable by using suitable means (for example adequate mini terminal blocks).



On the right side behind the front panel there is a slot to place these mini terminal blocks properly.



**ATTENTION:** Before wiring the MCP, be sure to disconnect the power supply of the detector zone by unplugging the cable from the conventional detector interface. Make sure that the products are compatible with the system.

When all MCP's have been wired, reconnect the power supply.

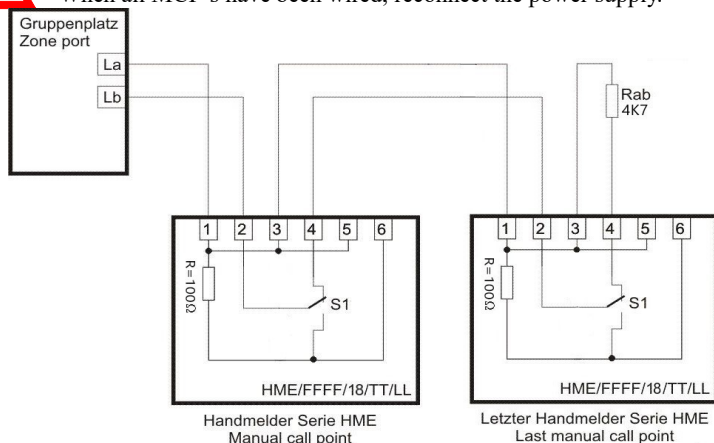


Fig. 4: Wiring diagram MCP HME/FFFF/18/TT/LL

## 6. Service

The functioning of every MCP has to be checked annually. In addition, in the course of the checks that are carried out periodically, as well as during the checks carried out by the user, the MCP has to be checked for damage on the housing or the sheet of glass.

## 7. Warnings and Limitations

Our detectors use high quality electronic components and materials that are highly resistant to environmental deterioration. However, after 10 years continuous operation it is advisable to replace detectors to reduce the risk of reduced performance caused by external factors.

Ensure that these detectors are only used with compatible control panels. Detection systems must be checked, serviced and maintained on a regular basis to ensure correct operation.

Refer to and follow National Codes of Practice and other internationally recognized fire engineering standards. Appropriate Risk Assessment should be carried out initially to determine correct system design criteria and should be updated periodically.

## 8. Warranty

All detectors are supplied with a limited 2 Year Warranty relating to faulty materials or manufacturing defects. This warranty is invalidated by mechanical or electrical damage caused in the field by incorrect handling or usage. The product must be returned via your authorized supplier for repair or replacement together with full information on any problem identified.

Full details on our Warranty & Products Returns Policy can be obtained upon request.

## 9. Specifications

Operating voltage:	10 – 30VDC (supplied through detector line voltage)
Contact rating switch S2:	< 25V AC / 2A or < 60V DC / 2A
Dimensions (W × H × D):	127 × 127 × 35 (mm)
Connection:	screw connector max. 1.5mm <sup>2</sup>
Cable entry:	top and bottom: 2 x M20×1.5 rear wall: 2 x 24×10 (mm)
Weight:	420g
Protection class:	standard: IP43 with upgrade kit: IP54 on request (factory-delivery): IP65
Relative humidity:	5 – 95% (no condensation)
Ambient temperature:	-20 to +60°C (continuous operation, no icing) -25 to +70°C (max. 12 hrs.)

## 10. Approvals

Type	Standard	VdS Approval No.	CPR Certificate No.
HME/3000/1E/TT/LL	EN 54-11	G 218045	0786-CPR-21594
HME/1021/1E/17/LL	EN 12094-3	G 218046	0786-CPR-21595
HME/5015/1E/18/LL	EN 12094-3	G 218047	0786-CPR-21596
HME/6002/1E/19/LL	VdS 2496	G 218047	
HME/5015/1E/02/LL	DIN VDE V 0826-2		
HME/1013/1E/40/LL	DIN VDE V 0827-1		