

## New Manual Call Points Series HME

### 1 General

For the manufacturing of manual call points, the Labor Strauss Group has always relied on the sturdiness and robustness of an aluminium die-cast housing and is already a specialist in this field. For more than 25 years, the proven Manual Call Points Series HFM/HM have established themselves on the market, and they are highly regarded for their reliability. The many advantages and strengths have been kept in mind when the new manual call points were developed, and numerous technical innovations were added.



Above all, the Manual Call Points Series HME impress with their optically pleasing design, their high quality, the thoughtful mechanical construction and a wide variety of types. The manual call points are ideally suited for use in fire detection systems, extinguishing systems and many other devices in the field of technical building equipment.

The manual call points are available in conventional technology or in loop technology for the Labor Strauss protocol, the System Sensor protocol and the Apollo protocol. For use on the loop, the printed circuit boards are provided with a dual-isolator as standard.

For the numerous fields of application, the manual call points are available in many colours and versions, and with various labellings. As a supplement, a wide range of accessories, such as protection covers – in the colour of the manual call points – or a protection kit for increasing the protection class, is available.



The Manual Call Points Series HME are already available and replace the proven Manual Call Points Series HFM/HM.

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## 2 Features of the Manual Call Points Series HME

### Mechanical structure:

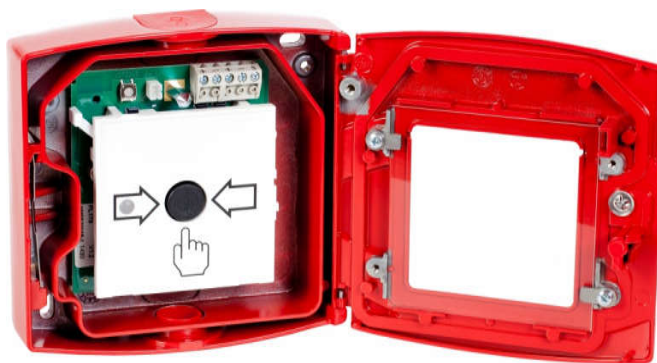
In comparison with plastic cases, the robust die-cast aluminium detector housing proves to be of advantage even after years of use, thanks to its environmental characteristics: It is virtually unbreakable and stable in colour and form.

The detector is activated according to EN 54-11 „Type B – indirect operation“, by breaking the glass pane and pressing the button. Normally the activation button is latching and can be reconfigured to non-latching by removing the locking lever.

Numerous constructional details such as the self-closing lock cover protect the interior against ingress of dust or water. The protection class IP43 can be increased to IP54 by using the optional protection kit. For use under harsh environmental conditions, the manual call points are also available with protection class IP65.

The printed circuit board and the operating unit can be removed from inside the housing in next to no time, which makes the installation clearly easier.

The door with its easily replaceable glass pane has an aperture angle of more than 180°. If the detector has been activated, the closing of the door is prevented mechanically.



### Colours and labellings:

For the numerous fields of application, the Manual Call Points Series HME are available in many different versions. The colour of the housing and the labelling of the door label are usually determined by the intended use or are predetermined by the respective standard. At the moment, the Manual Call Points Series HME are available in 9 standard colours – from traffic white to flame red to leaf green. Housings in other RAL colours are possible on request.

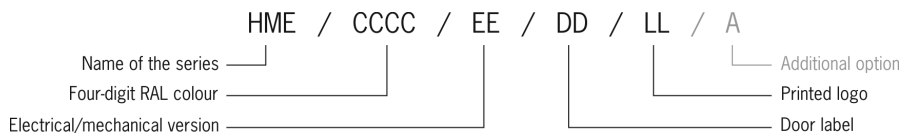
If necessary, the changeable door label can be produced with a labelling that can be freely chosen.

### Standards and certifications:

The outward appearance and the function of many call points are determined by standards and regulations. Some standards and versions are mentioned as examples:

- The red manual call point has been certified according to EN 54-11 and bears a house symbol or a door label with a house symbol and the labelling „FEUER“.
- Manual call points for gas extinguishing systems – the yellow manual activation device and the blue emergency hold device – have been certified according to EN 12094-3.
- Manual call points in loop technology contain a dual-isolator according to EN 54-17. The isolator disconnects the loop line in the event of a short circuit and allows data transmission to other loop elements.

### 3 Series HME type code



**HME** Denotes the Manual Call Points Series HME

**CCCC** RAL colour of the housing (standard colours are listed, further colours on request)

- **1004** ... RAL1004 – golden yellow
- **1021** ... RAL1021 – rape yellow
- **2011** ... RAL2011 – deep orange
- **3000** ... RAL3000 – flame red
- **5015** ... RAL5015 – sky blue
- **6002** ... RAL6002 – leaf green
- **7035** ... RAL7035 – light grey
- **9016** ... RAL9016 – traffic white
- **1013** ... RAL1013 – oyster white



Due to the production process and different batches, slight colour deviations from the specified RAL colour can not be ruled out.



**EE** Denotes the version of the printed circuit board and of the operating unit belonging to it

- **00** ... empty housing without printed circuit board or operating unit
- **11** ... conventional technology
- **12** ... conventional technology, one additional dry change-over contact
- **25** ... loop technology, System Sensor protocol
- **32** ... loop technology, Apollo protocol
- **72** ... loop technology, Labor Strauss protocol
- **9x** ... other applications (e.g., smoke and heat exhaust)



x ... 1–9, the number of switches and LEDs on this printed circuit board may vary, depending on the requirements.

**DD** Denotes the labelling on the door label (this is not a complete list)

- **H1** ... no door label, symbol  (EN 54-11) printed directly on the door
- **02** ... HAUSALARM
- **17** ... HANDAUSLÖSUNG Gaslöschanlage (EN 12094-3)
- **18** ... STOPP-TASTER Gaslöschanlage (EN 12094-3)
- **19** ... NACHFLUTEN
- **40** ... NOTFALL
- **45** ... Rauchabzug
- **52** ... door label with the symbol  + FEUER (EN 54-11)



Some door labels have different or multilingual texts printed on the front and on the reverse, details about this as well as about other door labels are available on request.

**LL** Denotes the logo that is printed on the operating unit

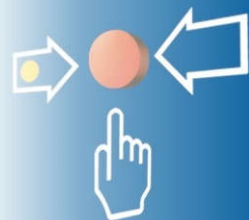
- **00** ... neutral, without logo
- **01** ...  logo
- **02** ...  logo

**A** Denotes a selectable additional option

- **N** ... some printed circuit boards can optionally be provided with a change-over switch for mains voltage 230VAC
- **IP65** ... manual call points can optionally be produced with protection class IP65



It is not permissible to increase the protection class of the mains voltage version.



## 4 Conventional technology

The manual call points in conventional technology can be made addressable by using an optional address module. A red status LED indicates the activation condition.

Some manual call point versions are optionally available with one additional dry change-over contact or with two independent change-over contacts. If necessary, the manual call points can also be provided with change-over contacts which are capable of switching 230VAC mains voltage.

Overview of the manual call points in conventional technology:

Colour	Labelling	VdS approval	CPR approval	Type <sup>1)</sup> Art. No.		
				without logo	<u>MEP</u>	<u>LST</u>
flame red		G218045	0786-CPR-21594	HME/3000/11/H1/LL		
				240300	240301	240302
flame red	 FEUER	G218045	0786-CPR-21594	HME/3000/11/52/LL		
				240310	240311	240312
sky blue	HAUSALARM			HME/5015/11/02/LL		
				240320	240321	240322
rape yellow	HANDAUSLÖSUNG Gaslöschanlage	G218046	0786-CPR-21595	HME/1021/11/17/LL		
				240330	240331	240332
sky blue	STOPP-TASTER Gaslöschanlage	G218047	0786-CPR-21596	HME/5015/11/18/LL		
				240340	240341	240342
leaf green	NACHFLUTEN	G218047		HME/6002/11/19/LL		
				240380	240381	240382
deep orange	Rauchabzug			HME/2011/11/45/LL		
				240820		
oyster white	NOTFALL			HME/1013/11/40/LL		
				240791		
<b>Versions with additional dry change-over contact</b>						
flame red		G218045	0786-CPR-21594	HME/3000/12/H1/LL		
				240350	240351	240352
flame red	 FEUER	G218045	0786-CPR-21594	HME/3000/12/52/LL		
				240360	240361	240362
flame red <sup>2)</sup>	FEUERWEHR			HME/3000/12/01/LL		
				240358		
sky blue	HAUSALARM			HME/5015/12/02/LL		
				240370	240371	240372
oyster white	NOTFALL			HME/1013/12/40/LL		
				240792		
<b>Versions with additional dry change-over contact for mains voltage 230VAC</b>						
leaf green <sup>2)</sup>	ALLE STEUERUNGEN AUSLÖSEN			HME/6002/12/29/LL/N		
	AUFZUG BRANDFALLSTEUERUNG			240679		
<b>Versions with two independent dry change-over contacts</b>						
golden yellow <sup>3)</sup>	BRANDFALLSTEUERUNG AUFZUG			HME/1004/92/33/LL		
				240755		
oyster white	NOTFALL			HME/1013/92/40/LL		
				240800		

<sup>1)</sup> LL = logo: 00...without logo, 01...MEP logo, 02...LST logo

<sup>2)</sup> Version for Austria

<sup>3)</sup> Version for Germany

## 5 Loop technology

For the bi-directional digital communication via the ring-shaped loop line, either the Labor Strauss protocol, the System Sensor protocol or the Apollo protocol is used, depending on the parameter setup of the fire detection control panel. In the event of a short circuit on the loop line, the dual-isolator that is built in as standard quickly disconnects the detector from the loop. The multicoloured status LED optically indicates the activation condition and other operating conditions.

### 5.1 Loop technology with Labor Strauss protocol

The detector address is programmed in the range 1 to 240 using the Programming Unit FI750/PU (Art. No. 249275).

Overview of the manual call points with Labor Strauss protocol:

Colour	Labelling	VdS approval	CPR approval	Type <sup>1)</sup> Art. No.		
				without logo	<u>MEP</u>	<u>LST</u>
flame red		G218059	0786-CPR-21603	HME/3000/72/H1/LL		
				240500	240501	240502
flame red	 FEUER	G218059	0786-CPR-21603	HME/3000/72/52/LL		
				240510	240511	240512
flame red <sup>2)</sup>	EVAKUIERUNGSSALARM			HME/3000/72/28/LL		
						240508
sky blue	HAUSALARM			HME/5015/72/02/LL		
				240520	240521	240522
rape yellow	HANDAUSLÖSUNG Gaslöschanlage	G218060	0786-CPR-21604	HME/1021/72/17/LL		
				240530	240531	240532
sky blue	STOPP-TASTER Gaslöschanlage	G218061	0786-CPR-21605	HME/5015/72/18/LL		
				240540	240541	240542
leaf green	NACHFLUTEN	G218061		HME/6002/72/19/LL		
				240580	240581	240582
leaf green <sup>2)</sup>	ALLE STEUERUNGEN AUSLÖSEN			HME/6002/72/29/LL		
	AUFZUG BRANDFALLSTEUERUNG					240799
oyster white	NOTFALL			HME/1013/72/40/LL		
				240795		



<sup>1)</sup> LL = logo: 00...without logo, 01...MEP logo, 02...LST logo

<sup>2)</sup> Version for Austria

## 5.2 Loop technology with System Sensor protocol

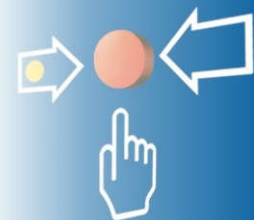
The detector address is programmed in the range 1 to 159 using a micro button on the printed circuit board in combination with the LED.

Overview of the manual call points with System Sensor protocol:

Colour	Labelling	VdS approval	CPR approval	Type <sup>1)</sup> Art. No.		
				without logo	<u>MEP</u>	<u>LST</u>
flame red		G218053	0786-CPR-21597	HME/3000/25/H1/LL		
				240400	240401	240402
flame red	 FEUER	G218053	0786-CPR-21597	HME/3000/25/52/LL		
				240410	240411	240412
flame red <sup>2)</sup>	EVAKUIERUNGSSALARM			HME/3000/25/28/LL		
						240418
sky blue	HAUSALARM			HME/5015/25/02/LL		
				240420	240421	240422
rape yellow	HANDAUSLÖSUNG Gaslöschanlage	G218054	0786-CPR-21598	HME/1021/25/17/LL		
				240430	240431	240432
sky blue	STOPP-TASTER Gaslöschanlage	G218055	0786-CPR-21599	HME/5015/25/18/LL		
				240440	240441	240442
leaf green	NACHFLUTEN	G218055		HME/6002/25/19/LL		
				240480	240481	240482
leaf green <sup>2)</sup>	ALLE STEUERUNGEN AUSLÖSEN			HME/6002/25/29/LL		
	AUFZUG BRANDFALLSTEUERUNG					240495
deep orange	Rauchabzug			HME/2011/25/45/LL		
						240821
oyster white	NOTFALL			HME/1013/25/40/LL		
				240793		

<sup>1)</sup> LL = logo: 00...without logo, 01...MEP logo, 02...LST logo



<sup>2)</sup> Version for Austria



### 5.3 Loop technology with Apollo protocol

The detector address is programmed in the range 1 to 126 using a micro button on the printed circuit board in combination with the LED.

Overview of the manual call points with Apollo protocol:

Colour	Labelling	VdS approval	CPR approval	Type <sup>1)</sup> Art. No.		
				without logo	<u>MEP</u>	<u>LST</u>
flame red		G218056	0786-CPR-21600	HME/3000/32/H1/LL		
				240600	240601	240602
flame red	 FEUER	G218056	0786-CPR-21600	HME/3000/32/52/LL		
				240610	240611	240612
sky blue	HAUSALARM			HME/5015/32/02/LL		
				240620	240621	240622
rape yellow	HANDAUSLÖSUNG Gaslöschanlage	G218057	0786-CPR-21601	HME/1021/32/17/LL		
				240630	240631	240632
sky blue	STOPP-TASTER Gaslöschanlage	G218058	0786-CPR-21602	HME/5015/32/18/LL		
				240640	240641	240642
leaf green	NACHFLUTEN	G218058		HME/6002/32/19/LL		
				240680	240681	240682
leaf green <sup>2)</sup>	ALLE STEUERUNGEN AUSLÖSEN			HME/6002/32/29/LL		
	AUFZUG BRANDFALLSTEUERUNG					240690
oyster white	NOTFALL			HME/1013/32/40/LL		
				240794		

<sup>1)</sup> LL = logo: 00...without logo, 01...MEP logo, 02...LST logo

<sup>2)</sup> Version for Austria

## 6 Accessories

Overview of the accessories for the Manual Call Points Series HME:

Colour	Art. No.	Name	Type
–	249680	Replacement Glass for HFM SU=10 Pieces	SCHEIBE-HM/10
–	249681	Key for Manual Call Point SU=10	SCHL-HM/10
–	249682	Key for Manual Call Point SU=100	SCHL-HM/100
flame red	249633	Protective Cover V2A for MCP/Red	WG/ROT-E-1
sky blue	249634	Protective Cover V2A for MCP/Blue	WG/BLAU-E-1
rape yellow	249636	Protective Cover V2A for MCP/Yellow	WG/GELB-E-1
leaf green	249694	Protective Cover V2A for MCP/Green	WG/GRÜN-E-1
light grey	249695	Protective Cover V2A for MCP/Grey	WG/GRAU-E-1
deep orange	249691	Protective Cover V2A for MCP/Orange	WG/ORANGE-E-1
traffic white	249696	Protective Cover V2A for MCP/White	WG/WEISS-E-1
–	249721	Protection Cover HME/HFM	E-COVER/OAL/WS
–	268017	Cover Frame for HME	BR-HME
–	249675	Special Designation HME/Sheet-10pcs.	HME-BESCH-BOG
–	249670	Protection Kit IP54 for MCP	HME-ZS-IP54

## 6.1 Replacement glass panes and keys

Replacement glass panes are available in packages of 10. Keys for the door of the housing are available in packages of 10 or 100.

## 6.2 Protective covers

The protective cover is the same as the one used for the Manual Call Points Series HFM/HM. The arrangement of the mounting holes is also identical with the one used for the Series HFM/HM, which makes it easier to replace an old manual call point.

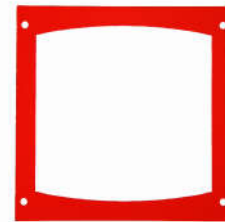


The protective cover that is made of painted stainless steel V2A is available in several colours that match the manual call points. It protects the manual call point against dripping water and in addition against mechanical damage.

The protection cover is made of clear plastic and offers protection against mechanical damage.

## 6.3 Cover frame

The cover frame allows custom-fit integration of a Manual Call Point Series HME in the front of a fire brigade orientation panel or a wall-mounted fire hydrant.



## 6.4 Special labelling

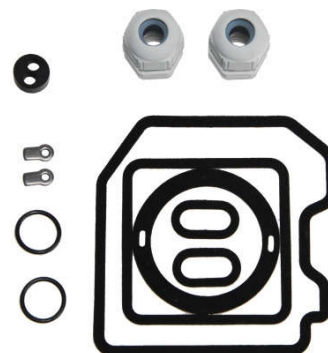
For the application-specific labelling of Manual Call Points Series HME, a text that can be freely chosen can be printed on sheets with 10 labels each.

## 6.5 Protection classes IP54 and IP65

The standard versions of the Manual Call Points Series HME have protection class IP43. The Protection Kit HME-ZS-IP54 allows you to increase the protection class of the manual call points to IP54 in next to no time.

For use under harsh environmental conditions, the manual call points are also available with protection class IP65.

Below the most important manual call point types with protection class IP65 are listed together with their article numbers. Other versions are also available with protection class IP65 on request.





Colour	Labelling	VdS approval	CPR approval	Type 1) Art. No.		
				without logo	<u>MEP</u>	<u>LST</u>
<b>Conventional technology with additional dry change-over contact</b>						
flame red	 FEUER	G218045	0786-CPR-21594	HME/3000/12/52/LL/IP65		
				240100	240104	240108
sky blue	HAUSALARM			HME/5015/12/02/LL/IP65		
				240102	240106	240160
rape yellow	HANDAUSLÖSUNG Gaslöschanlage	G218046	0786-CPR-21595	HME/1021/12/17/LL/IP65		
				240101	240105	240109
sky blue	STOPP-TASTER Gaslöschanlage	G218047	0786-CPR-21596	HME/5015/12/18/LL/IP65		
				240103	240107	240161
<b>Loop technology with Labor Strauss protocol</b>						
flame red	 FEUER	G218059	0786-CPR-21603	HME/3000/72/52/LL/IP65		
				240120	240122	240164
sky blue	HAUSALARM			HME/5015/72/02/LL/IP65		
				240121	240123	240165
<b>Loop technology with System Sensor protocol</b>						
flame red	 FEUER	G218053	0786-CPR-21597	HME/3000/25/52/LL/IP65		
				240110	240114	240118
sky blue	HAUSALARM			HME/5015/25/02/LL/IP65		
				240112	240116	240162
rape yellow	HANDAUSLÖSUNG Gaslöschanlage	G218054	0786-CPR-21598	HME/1021/25/17/LL/IP65		
				240111	240115	240119
sky blue	STOPP-TASTER Gaslöschanlage	G218055	0786-CPR-21599	HME/5015/25/18/LL/IP65		
				240113	240117	240163
<b>Loop technology with Apollo protocol</b>						
flame red	 FEUER	G218056	0786-CPR-21600	HME/3000/32/52/LL/IP65		
				240130	240134	240138
sky blue	HAUSALARM			HME/5015/32/02/LL/IP65		
				240132	240136	240166
rape yellow	HANDAUSLÖSUNG Gaslöschanlage	G218057	0786-CPR-21601	HME/1021/32/17/LL/IP65		
				240131	240135	240139
sky blue	STOPP-TASTER Gaslöschanlage	G218058	0786-CPR-21602	HME/5015/32/18/LL/IP65		
				240133	240137	240167

<sup>1)</sup> LL = logo: 00...without logo, 01...MEP logo, 02...LST logo

We will gladly provide further information.

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