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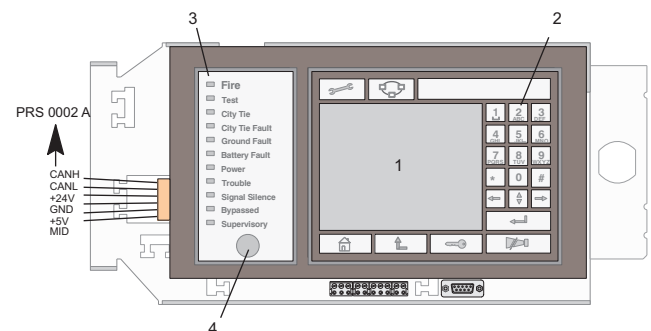# Operating and Display Unit with Panel Controller

▸ **Ergonomic design**

▸ **5.7-inch touch display with 23 permanently placed membrane keys for the standard entries**

▸ **11 LEDs for displaying the operating status of the system**

▸ **Simple user guidance thanks to the easy-to-understand menu structures**

▸ **Large number of language variants and country-specific designs**

The Operating and Display Unit with Panel Controller is the central element of the system. All messages are shown on the display. The complete system is operated via a touch panel above the display. The user-friendly user interface adapts to the various situations. This allows correct operation that is both simple and clear and targeted and intuitive.

The user can toggle between up to three languages depending on the design. The RPS programming software enables adaptation to country-specific circumstances.

System Overview

Pos.	Description
1	LCD touch display
2	Membrane keys
3	Operating status LEDs
4	Key switch

Functions

Alarm indication

The indication element is a high-resolution LCD touch display (320 x 240 dots) with automatically activated backlighting. 11 LEDs provide continuous information about the operating status of the control panel and/or system. Additional LED annunciator modules, each containing 16 detection points, can be used to visually display alarms or faults.

Operation/processing of messages

The operation of the control panel and the processing of all messages is done on the ergonomically-designed control panel using the integrated LCD touch display. To that end, there are permanently located membrane keys on the right, bottom, and upper edge of the display as well as variably located virtual keys in the touch display area.

There is a key switch underneath the status LEDs; the key switch has two programmable switch positions, e.g.:

- For switching back and forth between day and night operation
- Local alarm ON/OFF (internal/external alarm)

Saving and printing messages

All incoming messages and events are saved internally and can be viewed on the display at any time. A log printer for printing incoming messages can be connected.

Language variants

The MPC Panel Controller is available in different language variants. A selection can be made between two or three languages for each design.

Country-specific circumstances are included in the menus for the various languages.

Certifications and Approvals

Region	Certification	
Germany	VdS-S	S205106 BS FPA
		S 295042 BS 1000
	VdS	G 205106 FPA-5000
Europe	CE	FPA-5000
Poland	CNBOP	2662/2008 FPA-5000
Turkey	TSE	14.10.01/TSE-4692 FPA-5000
Czech Republic	TZÚS	080-011414 FPA-5000
Hungary	TMT	TMT-32/2005 FPA-5000
Russia	GOST	B.00223 FPA-5000
	MOE	UA1.016.0040642-06 FPA-5000
Bulgaria	GD FSPP	POPSd 60 FPA-5000

Installation/Configuration Notes

- In accordance with EN 54 Part 2, panels with more than 512 LSN elements must be connected redundantly. To that end, a second basic housing with a second MPC Operating and Display Unit with Panel Controller is used.
  Cable Set CRP 0000 A is required for the redundant connection.

Parts Included

Qty.	Components
1	Operating and Display Unit with Panel Controller, user interface and labeling strips in the relevant languages, CD with RPS programming software
Note	The key switch is installed in all operating and display units with the exception of the MPC 1000.

Technical Specifications

Electrical

Operating voltage	20 V DC … 30 V DC
PRS 0002 A Power Supply	+5 V DC ±4.5%/max. 500 mA
Max. current consumption	
• Standby operation	70 mA (at 24 V DC)
• In the event of an alarm	165 mA (at 24 V DC)

Mechanics

Display element	5.7-inch LCD display, 320 x 240 dots
Operating element	Touch display, resistive type, analog, film on glass
Permanent operating elements	23 membrane keys
Permanent display elements	11 LEDs
Interfaces	RS232, external CAN
Dimensions	Approx. 190 x 404 x 60 mm (7.5 x 15.9 x 2.4 in.)
Active surface (H x W)	Approx. 127.5 x 170 mm (5.0 x 6.7 in.)
Weight	Approx. 2,000 g (70.6 ounces)

Environmental conditions

Permissible operating temperature	-5 ℃ … 50 ℃ (23 ℉ … 122 ℉)
Permissible storage temperature	-20 ℃ ... 70 ℃ (-4 ℉...158 ℉)

Ordering Information

MPC 0000 A Operating and Display Unit with Panel Controller D-GB-I User interface and labeling in German, English, and Italian	**MPC 0000 A**
CRP 0000 A Cable Set Redundant Panel Controller Used to redundantly connect an Operating and Display Unit with Panel Controller to an additional MPC Panel Controller	**CRP 0000 A**
MPC 2000 A Operating and Display Unit with Panel Controller E-P-GB User interface and labeling in Spanish, Portuguese, and English	**MPC 2000 A**
MPC 3000 A Operating and Display Unit with Panel Controller PL-CZ-H User interface and labeling in Polish, Czech, and Hungarian	**MPC 3000 A**
MPC 4000 A Operating and Display Unit with Panel Controller DK-GB-D User interface and labeling in Danish, English and German	**MPC 4000 A**
MPC 5000 A Operating and Display Unit with Panel Controller F-NL-GB User interface and labeling in French, Dutch and English	**MPC 5000 A**
MPC 6000 A Operating and Display Unit with Panel Controller GR-GB User interface and labelling in Greek and English	**MPC 6000 A**
MPC 8000 A Operating and Display Unit with Panel Controller RUS-GB User interface and labeling in Russian and English	**MPC 8000 A**
MPC 9000 A Operating and Display Unit with Panel Controller TR-GB User interface and labeling in Turkish and English	**MPC 9000 A**
Accessories	
ADC 0064 A 64 Point Address Card	**ADC 0064 A**
ADC 0128 A 128 Point Address Card	**ADC 0128 A**
ADC 0512 A 512 Point Address Card	**ADC 0512 A**
ADC 1024 A 1024 Point Address Card	**ADC 1024 A**