PLM-8CS PLENA matrix 8-Zone Call Station

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BOSCH

Invented for life

▶ Capacitive touch control

▶ Programmable zone selection

▶ Modern aesthetic design

▶ Powered from PLM-8M8 Matrix Mixer

▶ Loop-through to connect additional Call Stations or Wall Control Panels

The PLM-8CS PLENA matrix 8-Zone Call Station is used with the PLM-8M8 PLENA matrix 8-Channel DSP Matrix Mixer. With a single touch, the Call Station can distribute speech across a single zone, or any combination of user defined zones.

Installation could not be easier. Powered by the PLM-8M8 DSP PLENA matrix Mixer using standard CAT5 cables, the unit's communication is via RS485. This means that multiple call stations can be daisy chained together, dramatically reducing cable runs and installation time.

Functions

Controls and Indicators
The call station's fascia plate features 8 capacitive touch buttons for instant, positive selection or de-selection without mechanical pressure. Each button corresponds to a programmed zone or a combination of zones. In addition, LED lights above the capacitive buttons indicate when the zone is busy ('RED'), when the

preamble chime is sounded ('YELLOW'), and when the microphone is open and active ('GREEN').

Labeling
Labeling the unit is straightforward. Simply use the PC GUI software to prepare, edit and print the labels. Options include printing white text on black labels to maintain the unit's aesthetics.

Unit ID and Priorities
Priorities are set in the software of the PLM-8M8 8-Channel DSP Matrix Mixer using each station's unique ID and DIP switches in the base of the call station.

Certifications and approvals	
Safety	According to EN 60065
EMC emission	According to EN 55103-1
EMC immunity	According to EN 55103-2

Installation/configuration notes

Loop Through

Both PLM-8CS and PLM-WCP Wall Control Panel units can be connected in series (daisy chain), reducing the number of cable runs that need to be made in an installation. Both the PLM-8CS and PLM-WCP are powered from the PLM-8M8 8-Channel DSP Matrix Mixer. For optimal operation in a daisy chain of 8 call stations, we recommend that the maximum cable length from the DSP Matrix Mixer to the last Call Station is less than 500 m.

Parts included

Quantity	Components
1	PLM-8CS 8-Zone Call Station
1	Safety documentation

Technical specifications

Electrical

Power supply (supplied by PLM-8M8)

Voltage range	30 to 50 V DC
Power consumption	1.5 W

Performance

Microphone type	Cardoid
Frequency response (−3dB)	100 Hz to 20 kHz (+0/−3 dB)
Input Clip level	−11 dBu
THD+N (1 kHz, 6 dBFS):	<0.03 %
• Dynamic range (A-weighted) (mid–gain setting)	>97 dB(A)
• Output level	24.4 dBu
Connectors	**2x**
RS485 loop-through	RJ45

Mechanical

Base dimensions (H x W x D)	50 x 156 x 140 mm (2 x 6.1 x 25.5")
Microphone stem length	390 mm (15.35")
Colour	Trafic black (RAL 9017) Silver (RAL 9006)
Weight	Approx. 0.77 kg Approx. 1.69 lb

Environmental

Operating temperature	−10 °C to +45 °C
Storage temperature	−40 °C to +70 °C
Relative humidity	<95 %

Odering Information

PLM–8CS PLENA matrix 8-Zone Call Station	Order number **PLM–8CS**

Powered over CAT5 cable from PLM-8M8

Capacitive Touch Buttons

Mechanical PTT Button

Paper label inserts