

PM9-CSE Call station extension PROMATRIX 9000



This keypad extension is used in combination with PROMATRIX 9000 call stations to make selections for business and alarm calls.

One device adds twelve configurable buttons with light ring. Each button has two additional indicators for user feedback, related to the configured functionality of that button.

Up to four PM9-CSE can be connected to one call station. Using extension keypads for zone selection allows all zones to be accessible and visible at the same time. It shows a complete status overview of selected and occupied zones or zones with faults.

The extension keypad is delivered with a metal coupling plate and patch cable to link it to a call station or other extension keypad.

The front cover can be easily removed to insert labels with up to three lines of text per button and a header section on top.

Functions

Business operation

- Connection of up to four PM9-CSE extensions, each with twelve buttons. The buttons can be configured for various functions, but they are especially useful for zone selection, giving a clear overview of accessible zones and the LED indicators for each button show the status of the respective zone (like being selected, occupied or at fault).

- Extension keypad for desktop PM9-CSLD and wall-mount PM9-CSLW call station
- Twelve buttons with tactile feedback and configurable functionality
- Light ring around each button for selection confirmation
- Multi-color zone status indicators for buttons configured for zone selection
- Ergonomic button layout with removable front cover for access to button labels

Emergency operation

- The call station extension complies to the standards for voice alarm applications, when the firemen's user interface is configured for the call station and at least one PM9-CSE is connected to it.
- All critical alarm functions are accessible via buttons for operators wearing gloves.
- All indicators of the extension take part in the indicator test function of the connected call station.

Connection

- Reliable, locked, single cable interconnection between call station and extension and between extensions.
- Robust metal coupling plate.
- All extensions are automatically addressed, from left to right.
- All assembling can be done with one standard Torx TX10 screwdriver.

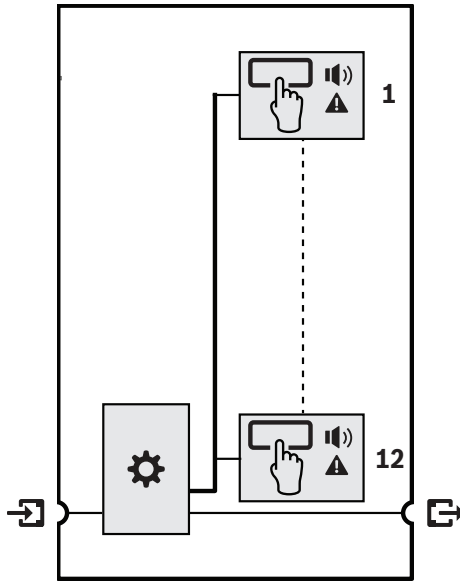
Labeling

- Removable front cover for easy labeling with space for three lines of text per button.

Button cap

- Three button caps are included to prevent unintended activation of critical buttons.

Connection and functional diagram



Controller

Top-side



Top-side indicators

	Selection button LED ring (1-12) Selected	White
	Active (1-12) Emergency call Business call Music	Red Blue Green
	Zone fault present (1-12)	Yellow

Top-side controls

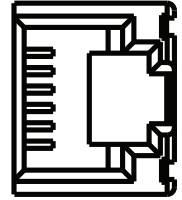
	Selection (1-12)	Button
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Bottom-side



Bottom-side interconnections

- Extension station interconnection (RJ12)
- Call/Extension station interconnection (RJ12)



Architects' and engineers' specifications

The call station extension shall be designed exclusively for use with Dynacord PROMATRIX 9000 systems. The call station extension shall offer electrical and mechanical connection facilities for use with a desktop or wallmount call station. It shall provide 12 configurable buttons for zone selection and other purposes. Each button has tactile feedback and a light ring activation indicator, complemented with a set of multi-color LEDs for function related status indications. The call station extension shall have a removable front cover to put language independent button labels behind the front cover. The call station extension shall be certified for EN 54-16, marked for CE and be compliant with the RoHS directive. Warranty shall be three years minimum. The call station extension shall be a Dynacord PM9-CSE.

Certifications and approvals

Emergency standard certifications

Europe	EN 54-16
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Regulatory areas

Safety	EN 62368-1
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Regulatory areas

Immunity	EN 55024 EN 55103-2 (E1, E2, E3) EN 50130-4
Emissions	EN 55032 EN 61000-6-3
Environment	EN 50581
Railway applications	EN 50121-4
Maritime applications	DNV-GL Type Approval

Conformity declarations

Europe	CE/CPR
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Parts included

Quantity	Component
1	Call station extension
1	Bracket (attached to bottom)
1	Metal coupling plate + 4 screws
1	RJ12 interconnection cable
1	Button cap (x3)
1	Safety information

Technical specifications**Electrical****Power transfer**

Power supply input	
Input voltage	5 VDC
Input voltage tolerance	4.5 to 5.5 VDC
Power consumption (indicators off / on)	0.1 W / 1.0 W

Supervision

Interconnection	Link presence
Processor	Watchdog

Reliability

MTBF (extrapolated from calculated MTBF of PM9-AD608)	2.000.000 h
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Environmental**Climatic conditions**

Temperature	
Operating	-5 to +50 °C (23 to 122 °F)
Storage and transport	-30 to +70 °C (-22 to 158 °F)
Humidity (non-condensing)	5 to 95 %

Represented by:

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Climatic conditions

Air pressure (operating)	560 to 1070 hPa
Altitude (operating)	-500 to +5000 m (-1640 to 16404 ft)
Vibration (operating)	
Amplitude	< 0.35 mm
Acceleration	< 5 G
Bump (transport)	< 10 G

Mechanical**Enclosure**

Dimensions (HxWxD)	62 x 130 x 189 mm (2.44 x 5.12 x 7.44 in)
Ingress protection	IP30
Base	
Material	Zamak
Color	RAL9017
Panel	
Material	Plastic
Color	RAL9017 RAL9022HR
Weight	0.4 kg (0.88 lb)

Ordering information**PM9-CSE Call station extension**

Button key extension for a PROMATRIX 9000 call station (PM9-CSLD or PM9-CSLW), twelve configurable buttons with status indicators.

Order number **PM9-CSE | F.01U.351.328**