PRA-CSE Call station extension

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▶ Extension keypad for desktop PRA-CSLD and wall-mount PRA-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

This keypad extension is used in combination with PRAESENSA 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 PRA-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 PRA-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).

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 PRA-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.
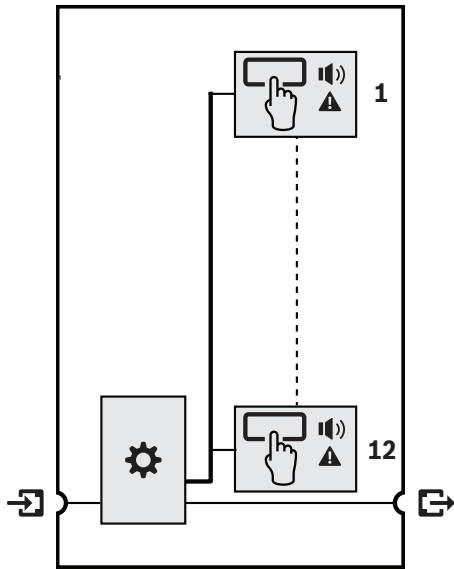- All assembling can be done with one standard Torx TX10 screwdriver.

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

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 Bosch PRAESENSA 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 and ISO 7240-16, marked for CE and be compliant with the RoHS directive. Warranty shall be three years minimum. The call station extension shall be a Bosch PRA-CSE.

Certifications and approvals

Emergency standard certifications

Europe	EN 54-16
International	ISO 7240-16

Regulatory areas

Safety	EN/IEC/CSA/UL 62368-1
Immunity	EN 55024 EN 55103-2 (E1, E2, E3) EN 50130-4

Regulatory areas

Emissions	EN 55032 EN 61000-6-3 ICES-003 ANSI C63.4 FCC-47 part 15B class A
Environment	EN 50581
Railway applications	EN 50121-4
Maritime applications	DNV-GL Type Approval

Conformity declarations

Europe	CE/CPR
Australia	RCM
Morocco	CMIM
Russian Federation	EAC
United Arabic Emirates	CoC

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	Quick Installation Guide
1	Safety information

Technical specifications

Electrical

Power transfer

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

Supervision

Interconnection	Link presence
Processor	Watchdog

Reliability

MTBF (extrapolated from calculated MTBF of PRA-AD608)	2.000.000 h

Environmental

Climatic conditions

Temperature
   Operating
 	
   Storage and transport
	
	-5 to +50 ℃
	(23 to 122 ℉)
	-30 to +70 ℃
	(-22 to 158 ℉)

Humidity (non-condensing)	5 to 95 %
Air pressure (operating)	560 to 1070 hPa
Altitude (operating)	-500 to +5000 m (-1640 to 16404 ft)

Vibration (operating)
   Amplitude
   Acceleration
	
	< 0.35 mm
	< 5 G

Bump (transport)	< 10 G

Mechanical

Enclosure

Dimensions (WxHxD)	130 x 62 x 189 mm (5.12 x 2.44 x 7.44 in)
Ingress protection	IP30

Base
   Material
   Color
	
	Zamak
	RAL9017

Panel
   Material
   Color
	
	Plastic
	RAL9017
	RAL9022HR

Weight	0.4 kg (0.88 lb)

Ordering information

PRA-CSE Call station extension
Button key extension for a PRAESENSA call station (PRA-CSLD or PRA-CSLW), twelve configurable buttons with status indicators.
Order number **PRA-CSE**