

# PRA-CSE Call station extension

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Invented for life



- ▶ 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

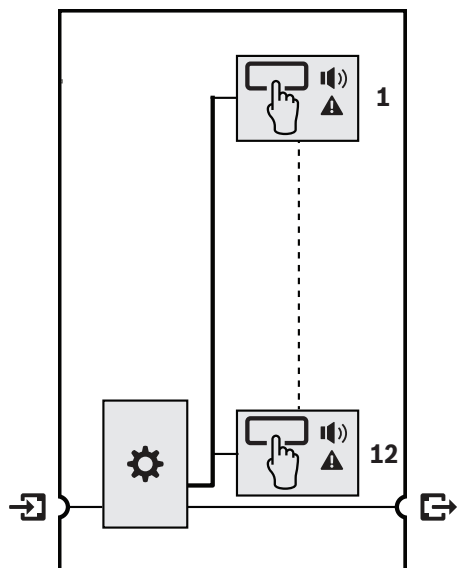
- Reliable, locked, single cable interconnection between call station and extension and between extensions.
- Robust metal coupling plate.
- All extensions are automatically addressed, from left to right.
- All assembling can be done with one standard Torx TX10 screwdriver.


### 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


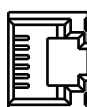

**Top-side****Top-side indicators**

	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
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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 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 Arab 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**

	PRA-CSE Call station extension
Operating voltage (VDC)	4,5 - 5,5 VDC
Power consumption (W)	1 W maximum
Color in RAL	RAL 9017 Traffic black
Host interface	CAN
Connection type	6-wire
Connector type	RJ12
Number of keypads	4
Connection method	Loophthrough
LED indication	Multi-color
LED color	Red;Yellow;Blue;White;Green

	PRA-CSE Call station extension
Air pressure (hPa)	560 - 1070 hPa
Mounting type	tabletop
Protection	Watchdog
Degree of protection (IEC 60529)	IP30
Operating temperature (°C)	-5 - 50°C
Operating relative humidity, non-condensing (%)	5 - 95%
Storage temperature (°C)	-30 - 70°C
Dimension (H x W x D mm)	62 x 130 x 189 mm
Material	Plastic
Weight (g)	400 g

**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 PRA-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 %
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**

<b>Enclosure</b>	
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**

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