

PRA-CSE Call station extension

PRAESENSA



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).

- ▶ 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

Emergency operation

- The call station extension complies to the standards for voice alarm applications, when the fireman'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.

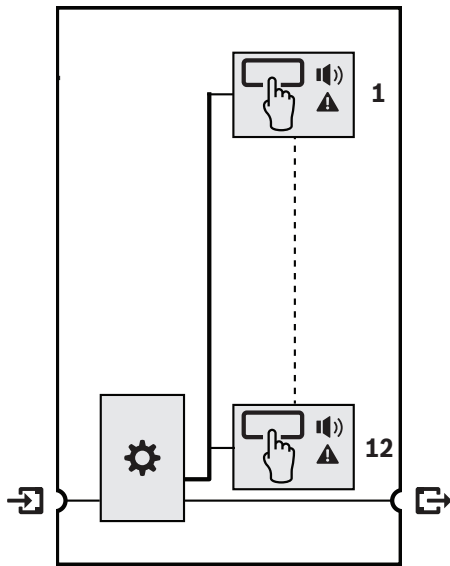
Labeling

- 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 / 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.

Regulatory information

Emergency standard certifications

Europe	EN 54-16 (0560-CPR-182190000)
International	ISO 7240-16
Maritime applications	DNV GL Type Approval

Emergency standard compliance

Europe	EN 50849
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Emergency standard compliance	
UK	BS 5839-8

Regulatory areas	
Safety	EN/IEC/CSA/UL 62368-1
Immunity	EN 55035 EN 50130-4
Emissions	EN 55032 EN 61000-6-3 ICES-003 FCC-47 part 15B class A
Environment	EN/IEC 63000
Railway applications	EN 50121-4
Maritime applications	EN 60945

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	
Input voltage (VDC)	5 VDC
Input voltage (VDC) tolerance	4.5 VDC—5.5 VDC
Power consumption (W) (indicators on / off)	1 W / 0.1 W
Supervision	
Interconnection	Link presence
Protection (processor)	Watchdog
Reliability	

Mean time between failures (MTBF) (h) (extrapolated from calculated MTBF of PRA-CSLD and PRA-CSLW)	2,400,000 h
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Environmental	
Operating temperature (°C)	-5 °C – 50 °C
Operating temperature (°F)	23 °F – 122 °F
Storage temperature (°C)	-30 °C – 70 °C
Storage temperature (°F)	-22 °F – 158 °F
Operating relative humidity, non-condensing (%)	5% – 95%
Installation altitude (m)	-500 m – 5,000 m
Installation altitude (ft)	-1,640 ft – 16,404 ft
Operating vibration	
Amplitude (mm)	< 0.35 mm
Acceleration (G)	< 5 G
Bump (transport)	< 10 G (IEC 60068-2-27)

Mechanical	
Dimensions (H x W x D) (mm)	62 mm x 130 mm x 189 mm
Dimensions (H x W x D) (in)	2.44 in x 5.12 in x 7.44 in
IP rating	IP30
Material	Plastic; Zamak
Color in RAL	RAL 9017 Traffic black; RAL 9022 Pearl light grey
Weight (kg)	0.40 kg
Weight (lb)	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 | F.01U.325.357**

Services
EWE-PRACSE-IW 12 mths wrty ext Praes Call station ext
 12 months warranty extension
 Order number **EWE-PRACSE-IW | F.01U.387.319**

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