

PRS-CSR Call Station Remote

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Invented for life



- Connects to call station interface via CAT-5 cable
- Up to 1 km from Praesideo optical network
- Uses standard Praesideo keypads for extension
- Built-in limiter
- Powered via CAT-5 and/or local power supply

The PRS-CSR is a call station with the same functionality as the basic call station, LBB 4430/00, but it uses CAT-5 cable for its connection to the Praesideo network. It connects, one-to-one, to the call station interface, PRS-CSI, which is part of the Praesideo optical network. The CAT-5 cable, carrying digital audio and control data, can be as long as 1 km. The length of the CAT-5 cable is not a part of the Praesideo optical network length. This considerably increases the overall possible length of the optical network.

The PRS-CSR can be extended with up to 16 keypads (LBB 4432/00 or LBB 4434/00), each with eight programmable keys. Extension with a numeric keypad (PRS-CSNKP) is also possible.

Functions

The call station has a cardioid, supervised microphone on a gooseneck stem with good speech intelligibility. A limiter and a speech filter improve intelligibility and prevent clipping of the audio. It has a volume control for the monitoring speaker and the headset. When it plays a chime or a pre-recorded message, the call station activates its speaker. When a headset is connected, it replaces the microphone and speaker.

The remote call station connects via a CAT-5 cable to an PRS-CSI unit, which interfaces it to the Praesideo optical network. The call station gets its power from the interface unit via the CAT-5 cable, but is also equipped with a local power supply connection for extreme cases with a very long cable and many keypads.

Up to 16 call station keypads can connect to the station via a serial communication link. The call station provides the power for the keypads. Up to 224 priorities can be assigned to the call station. All configuration can be done via the Praesideo network controller.

The remote call station is fully supervised and supports fail-safe operation. Even if the Praesideo network controller fails, the call station is still able to put through emergency calls.

Controls and indicators

- Three status LEDs
- Configurable PTT-key
- Volume control for loudspeaker/headset

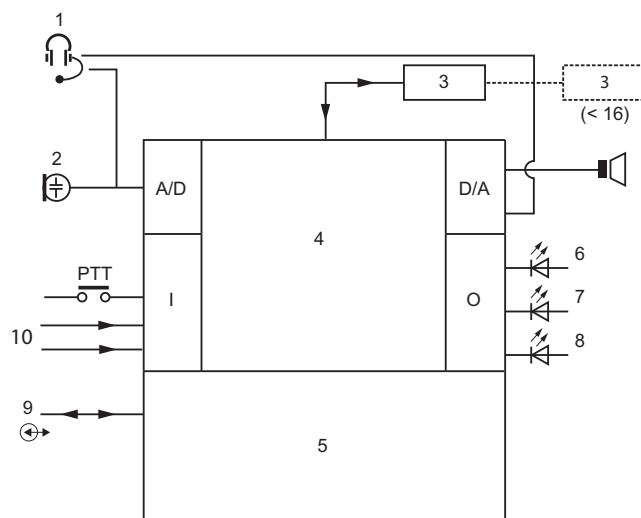
Interconnections

- RJ45 connector for CAT-5 connection
- Serial data and power supply interface for call station keypads
- Kycon type (lockable) connector for power and two control inputs
- 3.5 mm jack for headset/headphone

Certifications and approvals

| | |
|-----------|--|
| Safety | acc. to IEC 60065 / EN 60065 |
| Immunity | acc. to EN 55103-2 / EN 50130-4 / EN 50121-4 |
| Emissions | acc. to EN 55103-1 / FCC-47 part 15B |
| Emergency | acc. to EN 60849 / EN 54-16 / ISO 7240-16 |
| Maritime | acc. to IEC 60945 |

| Region | Certification |
|--------|---------------|
| Europe | CE |
| | CPD |

Installation/configuration notes

- Headset
- Microphone
- Keypad(s)
- Network processor and DSP
- Network redundancy switching
- Power/error
- Call station status (two-color)
- Network status

9 Data connection (CAT-5)

1 Control input

0

Parts included

| Quantity | Component |
|----------|-----------------------------|
| 1 | PRS-CSR Call Station Remote |
| 1 | Flat cable |

Technical specifications**Electrical**

| | |
|-----------------------|-------------------------------|
| External power supply | 18 to 56 VDC |
| Power consumption | 3.3 W at 48 V without keypads |

Microphone

| | |
|------------------------------|--------------------------|
| Nominal acoustic input level | 75 to 90 dB SPL |
| S/N | > 60 dB at 85 dB SPL |
| Frequency response | 340 Hz to 14 kHz (-3 dB) |

Loudspeaker

| | |
|----------------------|--------------------------------|
| S/N | 80 dB at max. |
| Sound pressure level | 85 dB (SPL) at 0.5 m and 1 kHz |

Headset

| | |
|------------------|------------------|
| Connector | 3.5 mm jack |
| Recommended type | Hosiden HBH 0058 |

Control inputs

| | |
|-----------|------------------------------------|
| Operation | Closing contact (with supervision) |
|-----------|------------------------------------|

Mechanical

| | |
|------------------------|--|
| Dimensions (H x W x D) | 90 x 160 x 200 mm (3.5 x 6.3 x 7.9 in) |
| Length of goose neck | 380 mm (15 in) |
| Weight | 1 kg (2.2 lb) |
| Mounting | Standalone |
| Color | Charcoal |

Environmental

| | |
|-----------------------|-------------------------------------|
| Operating temperature | -5 °C to +45 °C (+23 °F to +113 °F) |
| Storage temperature | -20 °C to +70 °C (-4 °F to +158 °F) |
| Humidity | 15% to 90% |
| Air pressure | 600 to 1100 hPa |

Ordering information

PRS-CSR Call Station Remote

same functionality as the basic call station, LBB 4430/00, but it uses CAT-5 cable for its connection to the Praesideo network

Order number **PRS-CSR**

Accessories

PRS-CSI Call Station Interface

an interface between a single remote call station, PRS-CSR, or a remote call station kit, PRS-CSRK, and the fiber optical Praesideo network.

Order number **PRS-CSI**

LBB 4432/00 Call Station Keypad

has eight programmable buttons, each with a two-color status LED.

Order number **LBB4432/00**

LBB 4434/00 Call Station Keypad Kit

used in combination with a call station kit or call station basic to make manual or pre-recorded announcements to any assigned zones, or to execute pre-defined actions.

Order number **LBB4434/00**

PRS-CSNKP Numeric Keypad

can be used for user access, zone and zone group selection. LCD for user feedback.

Order number **PRS-CSNKP**

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