

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

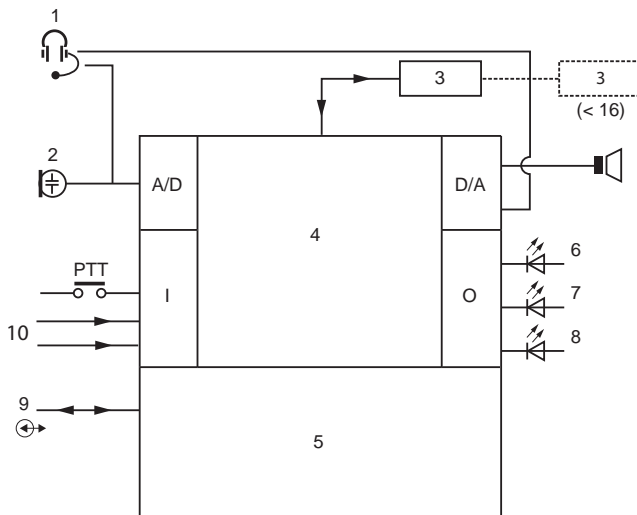
- RJ45 connector for CAT-5 connection
- Serial data and power supply interface for call station keypads
- Kycon type (lockable) connector for power and two control inputs
- 3.5 mm jack for headset/headphone

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	CPR	EU_CPR
	CE	
	CE	COC
	CE	CertAlarm
	CE	DOP
	GL	

Installation/configuration notes



- 1 Headset
- 2 Microphone
- 3 Keypad(s)
- 4 Network processor and DSP
- 5 Network redundancy switching
- 6 Power/error

- | | |
|---|---------------------------------|
| 7 | Call station status (two-color) |
| 8 | 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	2 x
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

Call station for remote locations with microphone on a flexible stem, push-to-talk button, monitoring loudspeaker, to be connected to a PRS-CSI via a CAT-5 cable.

Order number **PRS-CSR**

Accessories

PRS-CSI Call Station Interface

Compact unit with mounting clamp, interface between Praesideo network and a remote CAT-5 connected call station up to 1000 m away, powered from Praesideo network.

Order number **PRS-CSI**

LBB 4432/00 Call Station Keypad

Call station keypad with 8 programmable buttons and status indicators, up to 16 keypads can be connected to a call station.

Order number **LBB4432/00**

LBB 4434/00 Call Station Keypad Kit

PCB to extend a custom call station with 8 programmable buttons and status indicators, up to 16 keypad kits can be connected to a call station.

Order number **LBB4434/00**

PRS-CSNKP Numeric Keypad

Call station numeric keypad and LCD for controlled user access and zone selection in large systems, can be combined with call station keypads.

Order number **PRS-CSNKP**

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