

PRS-CSI Call Station Interface

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Invented for life



- ▶ Connects a remote call station to the Praesideo network via CAT-5 cable (up to 1 km)
- ▶ Powered by the Praesideo network and/or local power supply
- ▶ Two supervised control inputs
- ▶ Built-in DSP for audio processing functions
- ▶ Complete supervision of the unit

The PRS-CSI is an interface between a single remote call station, PRS-CSR, or a remote call station kit, PRS-CSRK, and the fiber optical Praesideo network. It uses CAT-5 cable for the connection to the remote call station. 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, especially in cases, where the call station is located far from the rest of the system.

The call station interface can get its power from the Praesideo network, and/or from a local power supply. It is fully supervised.

Functions

The interface can connect a single PRS-CSR remote call station or PRS-CSRK remote call station kit to a Praesideo system with up to 1 km of CAT-5 cable. The interface is fully digital, supporting high-quality sound with a built-in DSP for audio processing of the remote call station. It supports complete supervision of itself, the call station, and the connection, as well as of two control inputs. It supports the fail safe mode

of remote call stations, allowing them to put through emergency calls, even if the network controller fails. The unit is configured via the network controller.

Controls and indicators

- Two LED indicators for power and network status
- Two jumpers (below cover) to separate power supply of call station interface and remote call station

Interconnectors

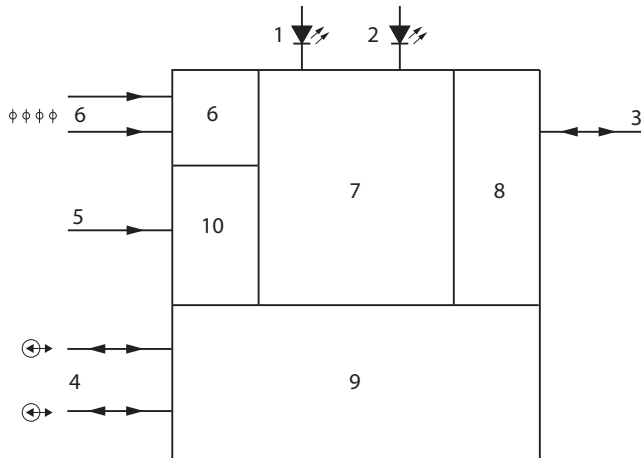
- Two Praesideo network connectors
- RJ45 connector for CAT-5 connection
- Kycon type (lockable) connector for power and two control inputs

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 Fault LED
- 2 Power LED
- 3 CAT-5
- 4 POF
- 5 External (back-up) power 18-56 V
- 6 Control inputs
- 7 Network processor and DSP
- 8 UTP interface
- 9 Network redundancy switching
- 10 Power supply

Parts included

Quantity	Component
1	PRS-CSI Call Station Interface
1	Power supply connector

Technical specifications

Electrical

External power supply	18 to 56 VDC
Power consumption	3.7 W

Control inputs	2 x
Operation	Closing contact (with supervision)

Mechanical

Dimensions (H x W x D)	27 x 243 x 80 mm without bracket (1.1 x 9.6 x 3.1 in) 34 x 243 x 84 mm with bracket (1.3 x 9.6 x 3.3 in)
Weight	0.7 kg (1.5 lb)
Mounting	Bracket (2 screws)
Color	Charcoal

Environmental

Operating temperature	-5 °C to +55 °C (+23 °F to +131 °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-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**

Accessories

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**

PRS-CSRK Call Station Remote Kit

PCB for custom remote call station, connections for microphone, push-to-talk button, monitoring loudspeaker, to be connected to a PRS-CSI via a CAT-5 cable.

Order number **PRS-CSRK**

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