

Praesideo Call Station Module

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- ▶ Redundant network connection
- ▶ Connections for status LEDs
- ▶ Connection for microphone and loudspeaker
- ▶ Connection for keypads
- ▶ Stable metal enclosure

The call station module is used to make custom-made call stations, with the same functionality as the LBB 4430/00 Call Station Basic. The module is powered from the Praesideo network, but an external power supply can also be connected. Two supervised control inputs can accept power supply status information from the external power supply. The PRS-CSM can be extended with up to 16 keypads (LBB 4432/00 or PRS-CSKPM), each with eight programmable keys. Extension with a numeric keypad (PRS-CSNKP) is also possible.

Functions

The call station module has a limiter and a speech filter. This improves intelligibility and prevents clipping of the audio. A potentiometer for volume control of the monitoring speaker and the headset can be connected. When it plays a chime or a pre-recorded message, this can be monitored via a connected loudspeaker or headphone. The call station module has its own DSP for audio processing functions, including sensitivity adjustment, limiting, and parametric equalization.

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. All configuration is done via the Praesideo network controller.

The call station module 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

These must be supplied by the installer.

Interconnections

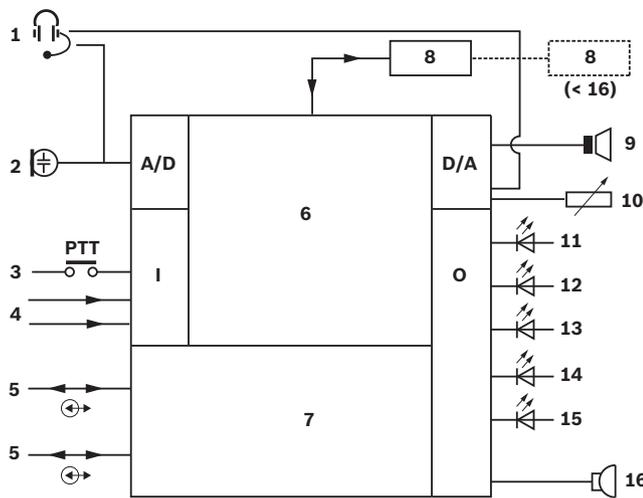
- Two network connectors (system bus)
- Backup power supply input and 2 control inputs
- Serial data and power supply interface for call station keypads
- Loudspeaker
- Headset
- Buzzer
- Volume control for loudspeaker/headset
- Control input (for Press-to-Talk button)
- Five control outputs (for status LEDs)

Certifications and approvals

Safety	acc. to IEC 60065 / EN 60065
Immunity	acc. to EN 55103-2
Emissions	acc. to EN 55103-1 / FCC-47 part 15B
Emergency	acc. to EN 60849, EN54-16 and ISO7240-16
Maritime	acc. to IEC 60945 (except salt mist test)

Region	Certification	
Europe	CE	COC
	CE	COC
	CE	

Installation/configuration notes



- 1 Headset
- 2 Microphone
- 3 Push-To-Talk switch
- 4 Control inputs
- 5 Network connections
- 6 Network processor and DSP
- 7 Network redundancy switching
- 8 Keypad(s)
- 9 Loudspeaker output
- 10 Volume control
- 11 Power status
- 12 Fault status
- 13 Call status
- 14 Emergency status

- 15 System fault status
- 16 Buzzer

Parts included

Quantity	Component
1	PRS-CSM Call Station Module
1	Set of connectors

Technical specifications

Electrical

Power consumption	6.2 W (DC) excl. indicators and keypads
Mic input	1 x
Sensitivity	-63 to -48 dBV
S/N	>60 dB at -55 dBV
Frequency response	340 Hz to 14 kHz (-3 dB)
Loudspeaker output	1 x
S/N	80 dB ±3 dB at max.
Impedance	8 to 32 ohm
Power	100 mW typ., 300 mW max.
Headset	1 x
Input sensitivity	-52 to -37 dBV
Earphone impedance	>16 ohm
Status outputs	5 x open collector / drain
Max. current (internal)	10 mA per pin; 30 mA total
Max. voltage	56 V per pin
Max sink current	100 mA per output pin
Control inputs	2 x closing contact (with supervision)

Mechanical

Dimensions (H x W x D)	43 x 183 x 164 mm (1.69 x 7.20 x 6.46 in)
Weight	0.8 kg (1.76 lb)
Mounting	Stackable metal enclosure

Environmental

Operating temperature	-5 °C to +55 °C (+23 °F to +131 °F)
Storage temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Humidity	15% to 90%
Air pressure	600 to 1100 hPa

Ordering information

Praesideo Call Station Module

Module for custom call station with connections for microphone, push-to-talk button and monitoring loudspeaker, powered from Praesideo network.

Order number **PRS-CSM**

Accessories

Praesideo Call Station Keypad Module

Module 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 **PRS-CSKPM**

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**

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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