BOSCH

PVA-15ECS Emergency call station
PAVIRO

▶ Call station with soft touch button

▶ Built-in alarm buttons and key switch for emergency use

▶ 15 freely programmable buttons

▶ Customization via built-in display and keys

▶ EN 54-16 system certification

The PVA-15ECS is the emergency call station for the PAVIRO system.
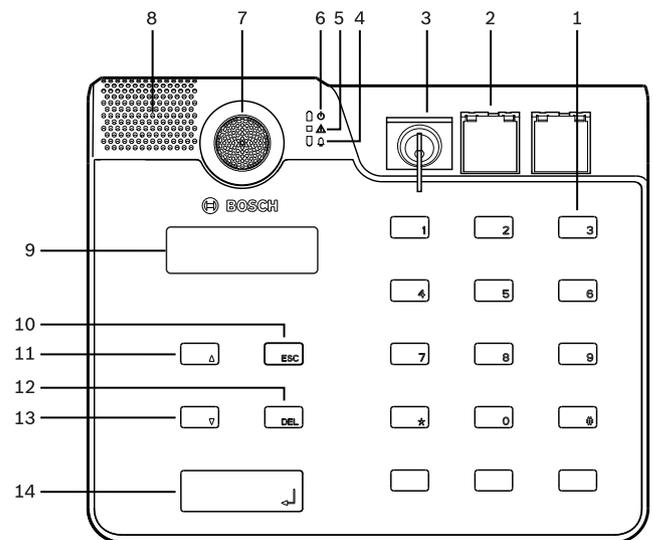
The emergency call station has a gooseneck microphone with pop shield and permanent monitoring, a total of 20 buttons, an illuminated display panel, and an integrated loudspeaker, like the standard call station PVA-15CST. In addition, two alarm buttons with protective covers and a key switch are factory fitted as standard.

The call station can be modified to suit the user's requirements by connecting up to five PVA-20CSE call station extensions, each with 20 customizable selection buttons.
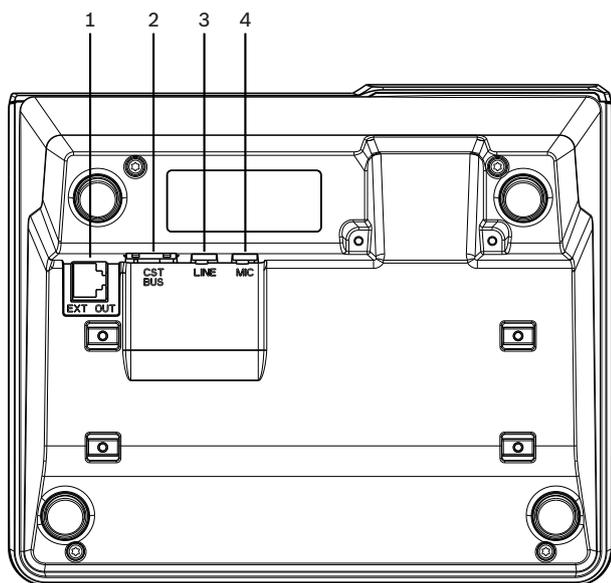
Other properties:

• Five menu/function keys (pre-programmed) - one green or one yellow indicator light per button
• 15 selection buttons (customizable) - two indicator lights (green/red) per button
• Numeric zone selection (can be activated during IRIS-Net configuration)
• Label with transparent covering - the label can be changed at any time
• Can be used as a standing or desk/rack flush-mounted device
• Internal monitoring with error logging - complies with all relevant national and international standards
• Easy configuration - use of the Configuration Wizard or IRIS-Net software

System overview

1 Selection buttons

2 Alarm buttons

3 Area for factory fitted key switch and alarm buttons

4 Voice alarm indicator light

5 Combined fault warning indicator light

6 Power indicator light

7 Microphone

8 Loudspeaker

9 Display

10 ESC button

11 ↑ button

12 DEL button

13 ↓ button

14 ↵ button

1 EXT OUT port

2 CST BUS port

3 LINE port

4 MIC port

Certifications and approvals

Emergency standard certifications	
Europe	EN 54-16

Emergency standard compliance	
UK	BS 5839-8

Emergency standard compliance	
Austria	ÖNORM F 3033

Environmental directive compliance	
Safety	EN 62368-1
Immunity	EN 50130-4
Emissions	EN 61000-6-3 ICES-003 FCC-47 part 15B class A
Environment	EN 50581
Maritime	EN 60945

Conformity	
Europe	CE/CPR
USA	FCC
Canada	ICES
Australia	RCM
Russian Federation	EAC
Environment	RoHS

Parts included

Quantity	Component
1	PVA-15ECS
1	Patch cable (3 meters)
7	Blank paper strips
1	Strain relief (bracket)
2	Screws for strain relief
1	Cover release tool
1	Operation manual
1	Important safety instructions

Technical specifications

Electrical

CAN BUS port	10, 20, or 62.5 kbit/s, 1 x RJ-45, max. length 1000 m

Maximum mic input level	-21 dBu
Maximum line input level	+4 dBu
Maximum NF output level	+12 dBu

Microphone
    Nominal acoustic input level
    Frequency response
    Signal to noise ratio
	85 dBSPL
	250 Hz - 10 kHz (-10dB)
	> 60dB

Buttons	5 pre-programmed, 15 programmable zone/function keys
Built-in alarm buttons	2 alarm buttons (with transparent cover) for broadcasting an alarm signal. The button feed lines are monitored by the call station.
Built-in key switch	Key switch for preventing unauthorized use of the call station. The key switch feed lines are monitored by the call station.
Indicator lights	Power (green), Fault (yellow), Alarm (red) Green or yellow LED per pre-programmed menu button Green and red LED per programmable zone/function key
LC display	Back-lit LC display (122 x 32 pixel)
Ports	1 CST BUS port (Control data + Audio + Power supply, RJ-45) 1 audio source (line level, phone jack) 1 microphone port (phone jack) 1 EXT OUT port (call station extension, RJ-12)
DC power input	15-58 V
Maximum supply current (without call station extensions)	Standby/Idle/Announcement/Alert: 24 V / 80 mA / 1.92 W
Maximum supply current (with 5 call station extensions)	Standby/Idle/Announcement/Alert: 24 V / 190 mA / 4.56 W

Mechanical

Color	RAL 9017 (traffic black)
Product dimensions (Height x Width x Depth)	166 mm x 200 mm x 66 mm (without microphone)

Net weight	0.7 kg
Shipping weight	1.3 kg

Environmental

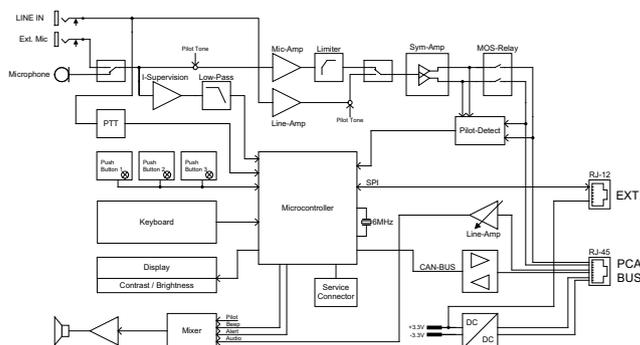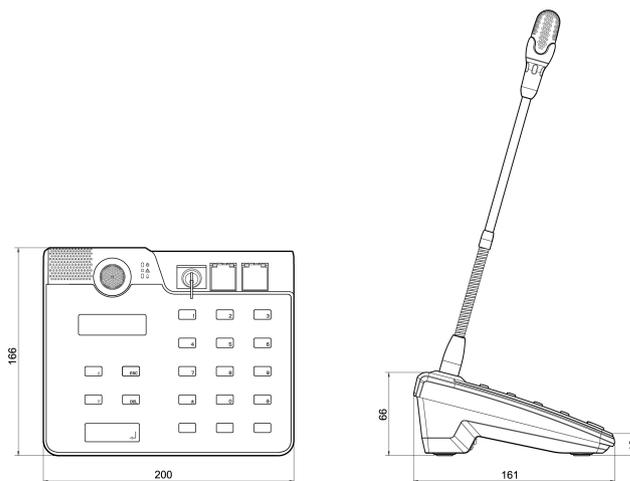|	
Operating temperature	-5 ℃ to +45 ℃ (+23 ℉ to +113 ℉)
Storage and transport temperature	-25 ℃ to +70 ℃ (-13 ℉ to +158 ℉)
Humidity (non-condensing)	5% to 90%
Altitude	Up to 2000 m

Fig. 1: Circuit diagram

Fig. 2: Dimensions of Call Station

Ordering information

PVA-15ECS Emergency call station
Emergency call station for PAVIRO system with built-in alarm buttons and key switch.
Order number **PVA-15ECS | F.01U.322.533**

Accessories
PVA-20CSE Call station extension
Call station extension for the PAVIRO system; has 20 customizable selection buttons.
Order number **PVA-20CSE | F.01U.298.723**

Services

EWE-CLSBAS-IW 12 mths wrty ext. Call Station basic
12 months warranty extension
Order number **EWE-CLSBAS-IW | F.01U.360.680**