

EE 561/571



Light Industrial Stations Series EE 561/571

Selecting the right type of Intercom station is essential to benefit from the quality and features of the Intercom system. The local ambient noise level and mechanical/environmental conditions will influence the type of station required. For applications such as workshops or production areas, selecting the right loudspeaker (efficiency) and amplifier (power) is essential. Factors such as the size of the rooms, the ambient noise level in dB and the condition of the rooms (furniture,

walls, flooring) have to be considered.

The light industrial station range, a combination of various modules suitable for both surface and flush mounting, offers optimal features for these applications. All housings are made of high-impact resistant, light grey ABS (up to IP 65). Each dialling module comprises a keyboard and microphone. The station is completed by the addition of loudspeaker modules, external speakers and/or amplifiers.

1. **EE 561**
Dialling module with silicone encapsulated keypad (0–9, talk button, cancel button), electret microphone for hands-free speaking even from a greater distance (in quieter environments, e.g. storage areas), 4-Watt amplifier that adapts the volume automatically to the ambient noise level.
2. **EG 151**
Loudspeaker module (5 Watt) suitable for use with the dialling modules with a button for high/low volume.

3. **EE 571**
Dialling module like EE 561, but with noise cancelling microphone for compensation of background noise.
4. **EF 571 (EF 561)**
Dialling module like EE 571, but with restricted 4-button keypad (two programmable call buttons, talk button and cancel button). Model EF 561 with electret microphone (like EE 561).



Technical Data – Benefits

TECHNICAL DATA

IP rating:	EE 561, EE 571, EF 561, EF 571: IP 65 EG 151: IP 54
Keyboard:	encapsulated REED buttons (maintenance free), chemical resistant silicon covers for the buttons
Housing:	shock proof ABS plastic
Microphone:	EE 561, EF 561: omnidirectional electret microphone for max. 7 m (23 ft) speaking distance EE 571, EF 571: dynamic noise cancelling mic. with hypercardioid characteristic for 3–50 cm (1.2–19.7 inch) speaking distance
Loudspeaker EG 151:	Sound pressure: 80 dB/1 W/1 m (3.3 ft)/1 kHz Output power: 5 W, Impedance: 4 Ohm
Amplifier:	EE 561, EE 571, EF 561, EF 571: Output power: 4 W, maximum load: 4 Ohm
Frequency range EG 151:	300 – 6000 Hz
Operating temperature range:	–40° C to +90° C (–40° F to 194° F)
Storage temperature range:	–40° C to +90° C (–40° F to 194° F)
Relative humidity:	up to 95 %
Plug:	screw terminals
Cabling:	star feed, 4 wires, twisted pair + power supply, 4 wires to the EG 151
Power supply:	24 V/10 VA from transformer PA 101/PA 501 or 24 V–28 V DC/10 W
Measurements:	EE 561, EF 561: 75 x 178 x 79 mm (3 x 7 x 3.1 inch) EG 151, EE 571, EF 571: 75 x 178 x 91 mm (3 x 7 x 3.6 inch) (without PG thread cable glands)
Weight incl. package:	EE 561: 530 g (1.2 lbs) EE 571: 541 g (1.2 lbs) EF 561: 506 g (1.1 lbs) EF 571: 516 g (1.1 lbs) EG 151: 465 g (1.0 lbs)
Colour:	Light grey (like RAL 7035)

BENEFITS

- Full range with amplifiers and loudspeakers for optimum acoustic in industrial applications.
- Dialling modules with silicone encapsulated keypad for protection from dirt and water splashes
- Cabling with 4 wires, star feed
- High quality speech in acoustically difficult areas, even from a distance (up to 7 m / 23 ft)
- Housing made of shock-proof ABS plastic
- Neutral light grey
- Range of modules for individually combined stations: microphone/dialling modules, loudspeaker modules, handset modules
- IP rating up to IP 65

SYSTEM REQUIREMENTS

GE 100 with G1-GET-4, GE 200 with G2-GET-4 or GE 700 with G7-GET-4.

The stations are also compatible to the Intercom Servers GE 208, GE 408, GE 416 and GE 501/GE 601.

LINE LENGTH

Diameter: [mm]	0.4	0.5	0.6	0.8	1.0
AWG:	26	24	22	20	18
Line length: [m]	650	1000	1500	2600	4200
[ft]	2133	3281	4922	8531	13780

All data about line lengths corresponds to a loudspeaker attenuation of approx. 9 dB and a microphone attenuation of approx. 3 dB.

EXTENT OF SUPPLY

1 module including:

- 2 x PG-thread cable glands and gaskets
- Short reference



Installation

PRECAUTIONS

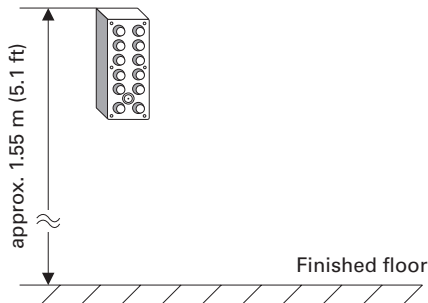
- When opening the stations ESD precautions must be observed.
- The stations may only be opened by authorised service engineers.

MOUNTING INSTRUCTIONS

Do not expose the station to extreme temperature (under -40°C or above $+90^{\circ}\text{C}$ / under -40°F or above 194°F).

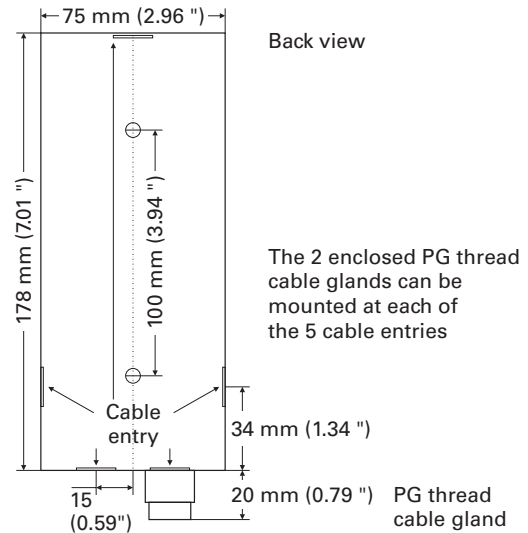
Recommended Mounting height

The upper edge of the station approx. 1.55 m (5.1 ft) from the finished floor. Please adapt the mounting height to the individual needs.



MEASUREMENTS

Measuring units: mm (inch), not scale!



Installation

CONNECTION DIAGRAM

