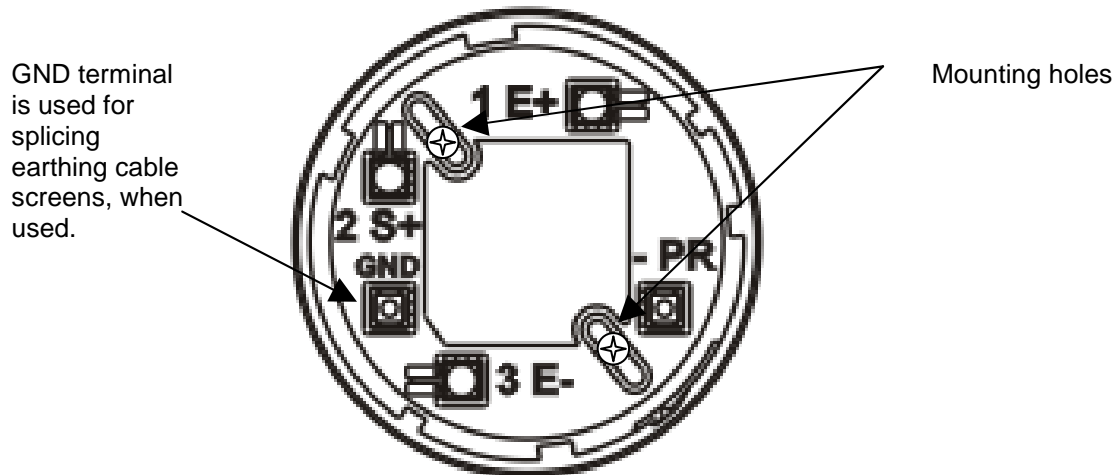


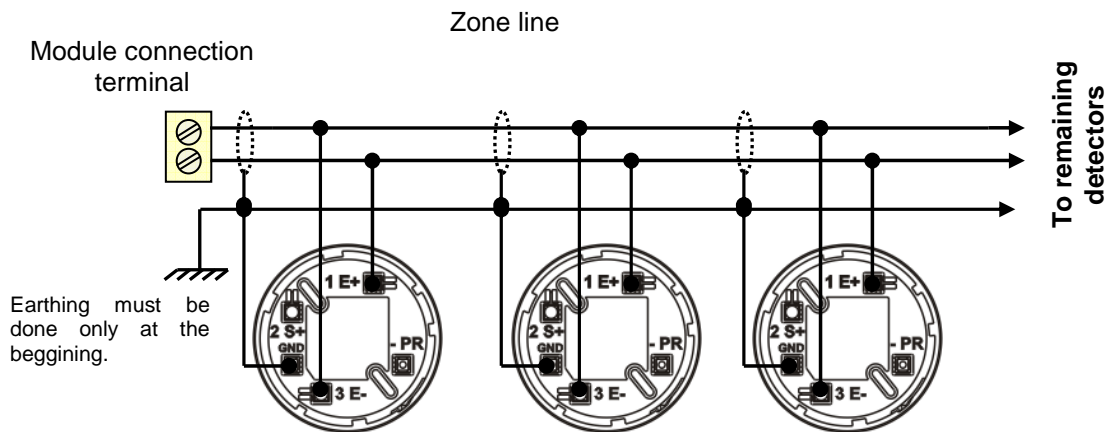
# ELECTROCHEMICAL CO DETECTORS ME300D

## 1. Fixing the detector

For mounting the detector to the ceiling or wall, it is used the supplied base. Fixing the base must be done using the two mounting holes provided and two suitable fixing screws.



## 2. WIRING DIAGRAM



Wiring can be run in free architecture and polarity is not sensitive. Recommended section wiring thickness is 1,5 mm<sup>2</sup>

Cable characteristics determine the maximum distance that can be located detectors. For runs of more than 300 meters it is recommended the use of twisted pair, and even better shielded if wiring is exposed to potential sources of electromagnetic radiation.

Anyway, for lower distances and no more than 3 detectors, wiring section may be reduced to 0,75 mm<sup>2</sup>.

When using not twisted pair, different zones must be wired separately, and it is not recommended different zone wires running in the same tube or cable tray.

The system allows free wiring configuration as explained (including line spurs), but it must be avoided lost spurs without a detector at the end, closed line loops, and possible interconnections between different zone lines.

There could be local or national regulations and standards that could condition the exposed and should be contemplated

### 3. Base removal protection

In order to prevent the removal of the detectors, the bases could be blocked by cutting the extreme of the tongue in the side. The detector can be removed with the press of the tongue with a screwdriver, allowing turning off the detector.

### 4. Performance characteristics

Measuring range	0 to 300 ppm
Response time	25 secs.
Detector alarm signaling	Continuous illumination of the red LED
Normal status indication	Red LED light flashing every 25 seconds
Operating temperature	-10°C to 50°C
Storage temperature	-10°C to 70°C
Relative humidity ( w/o condensating)	95%
Accuracy ( typical)	±1% of full scale
Measurement resolution	1 ppm

### 5. Electrical characteristics:

Voltage supply	10 a 15Vcc (non polarized)
Alarm current	5,5 mA / 12V (10.8 mA when led)

For other installation data of CERCO 300EQ system, you must refer to the general manual of the equipment.



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