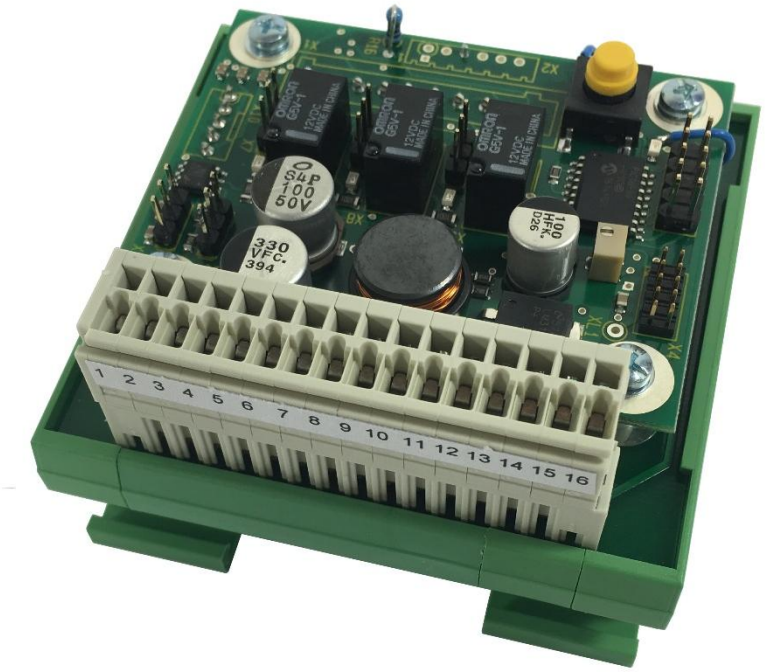
GP-AMP

GP-AMP Terminals Instruction



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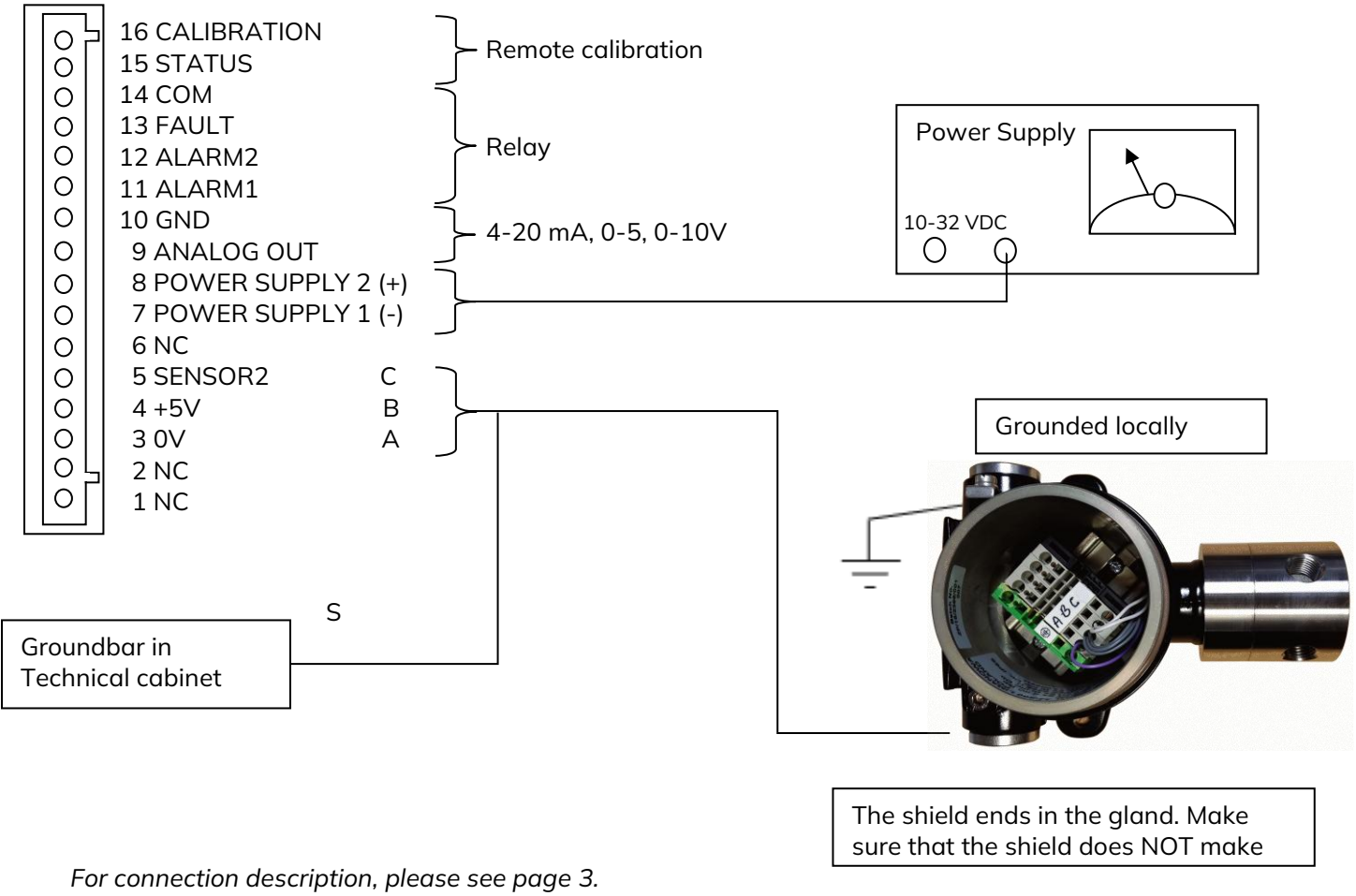
PENDING ITS-I 23ATEXQ36745 DBI reg. no 233.301 DIC444QMS

The GP-AMP amplifier unit for DIN rail mounting are used as control unit for detector GJ-EX, GJ-OX. GP-AMP must be, installed in safe area, where detector GJ-EX and GJ-OX are ATEX approved for installation in EX areas.

The amplifier has three potential free relay outputs and analog output:

- Alarm 1 (low alarm)
- Alarm 2 (high alarm)
- Fault
- Analogue output 0-5V, 0-10V or 4-20 mA
- Adjustment for sensor supply possible. +5V

Please refer to manual for GP-SA (EM03040E) for calibration.



For connection description, please see page 3.

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Installation

The detector should be installed where gas leakages may occur or near exhaust systems so that gas will be drawn past the detector.

The detector should be placed below the ceiling for light gases or 10-15 cm above the floor for heavier gases, depending on the air movement in the area.

The detector is connected to the gas alarm monitor through a 3-core cable 1 or 1,5 mm^2 with braided shield. The cable must perform IEC60332-1-2 (not fire nutritious).

The terminals marked A, B and C in the gas alarm monitor are connected to the corresponding marked terminals in the detector. The shield must NOT be connected to the GP-AMP. Please refer to Figure 1 and make sure that the shield does NOT make contact to the detector housing.

This means that it is not required to have a PE (ground) conductor. Ground conductor is illustrated with a dotted line.

The EX/OX types of detectors must have an external ground connection due to the ATEX directive. It is especially important in this case that you avoid ground loops.

The detector must be mounted on a flat surface. If this is not possible, the detector must be mounted on a Mounting plate, Geopal model number “ACC5245”, which supports the mounting holes of the detector.

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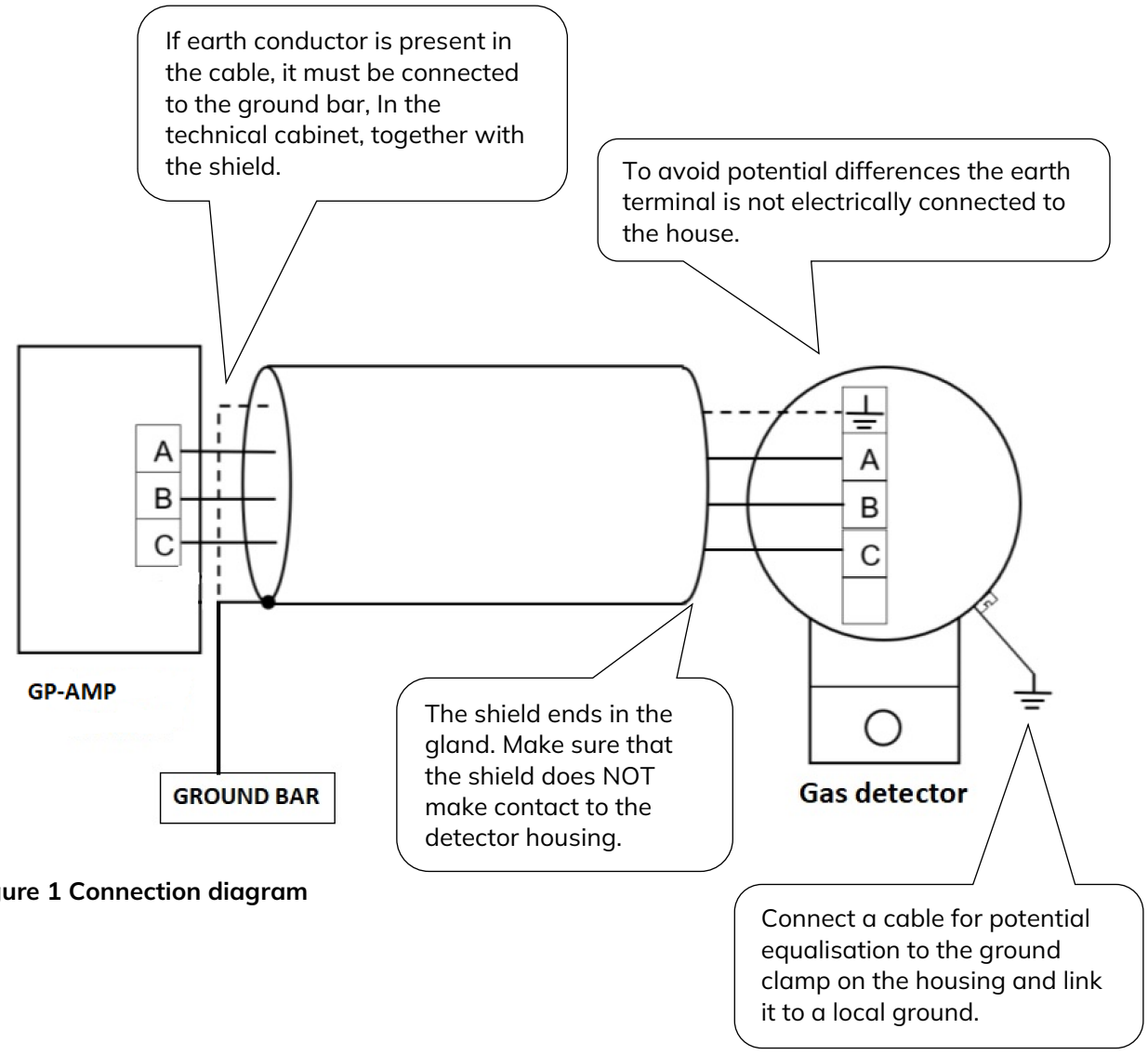


Figure 1 Connection diagram

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