

FLOODLINE Multi Gas Sensor DGDS



Digital DD Detectors are intended for continuous monitoring for the presence of specified gases in enclosed spaces. Control consists of periodic measurement for the concentration of a given gas in the ambient air.

Exceeding the prescribed concentration values produces an audible/visible alarm and a change in the status of the output contacts. The DD uses RS485 for onward communication.

Area of application:

- Hotels, offices, public buildings
- Big buildings with spaces (rooms) endangered by emission of specified toxic, explosive gases or refrigerant.

Features:

- Exchangeable, intelligent semiconductor sensor for carbon monoxide, propane butane or HFC refrigerants (selected models with an optical sensor Infra Red)
- Standard calibration (thresholds)
- Digital communication with the detection system through an isolated RS485 port with the MODBUS RTU protocol.

- Easy assembly and connection via FTP cable, removable self detaching clamps (the detector can be 'unplugged' from the digital bus).
- NO and NC contact output (low voltage)
- Built in acoustic signal (switched off by a jumper/electronic port).
- Power 24V= (range: 10-30 VDC).
- Remote supervision, identification and diagnostics of all detectors in the network through the MDD-256/T modules.
- Stylish housing for wall mounting (cable entry from the plaster or mounting to a typical Ø60mm flush mounted box).
- All detectors are calibrated at the Calibration Lab (operating in accordance with the PN-EN ISO/IEC 17025, accreditation PCA no. AP 150).

Model options:

Semiconductor sensors

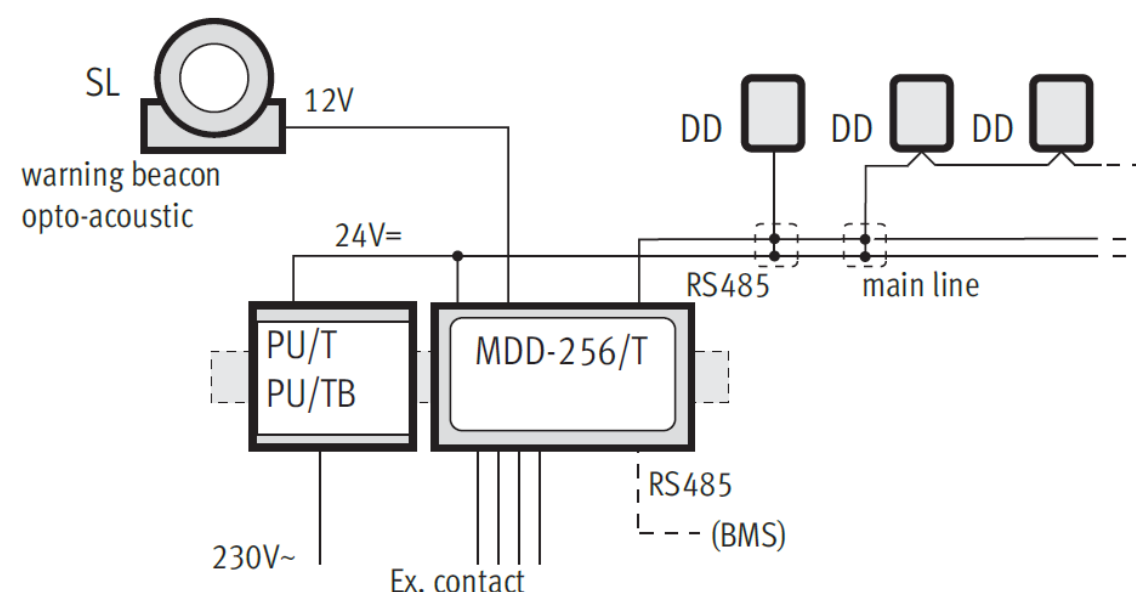
- DD-11 hydrocarbons, methane
- DD-14 methane (selective)
- DD-15 propane butane (LPG)
- DD-22 carbon monoxide
- DD-61 CFCs chlorofluorocarbon(HFC)

Optical sensor (Infra red)

- DD-8R CO₂



Schematic using the DD



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