LEAK DETECTION

MDD R4T Gas Detector

Additional, addressable control modules for extracting local control of actuators or signalling devices.



Addressable control modules for local control of actuators or signalling devices

The MDD-R4/T digital control modules are designed to expand the Digital Gas Detection System (CSDG). They enable the separation of local control of executive/signalling devices for a selected group of up to 32 detectors working in CSDG, with four contact outputs and two 12V alarm outputs.

MDD-R4/T are additional modules requiring cooperation with an MDD-256/T supervisory module. Communication takes place in the industrial standard RS-485 in accordance with the MODBUS RTU protocol. The module constantly receives information on the alarm state of a selected group of detectors from the supervisory unit and performs the set alarm functions — activating the optical alarm signalling and its own contact and 12V alarm outputs.



MDD-R4/T control module with contact outputs OUT1–OUT4 and status LEDs, on a TS35 DIN rail.

Benefits at a glance

- Expands the Digital Gas Detection System
- Four contact outputs
- Two alarm outputs
- Works with a selected group of up to 32 detectors

Features

- Simple implementation of independent groups/zones of detectors (up to 32 items in a group) with local control of executive devices (max. 3 MDD-R4/T modules in a group)
- Communication with the MDD-256/T supervisory module in the RS-485 standard (MODBUS RTU, galvanically isolated port)
- Optical signalling of the contact output states OUT1, OUT2, OUT3, OUT4
- Voltage alarm outputs 12V (OUT5 and OUT6) for controlling acoustic and optical sirens
- Contact outputs (galvanically separated) OUT1–OUT4 for controlling fans, motors, contactors and information boards, or connecting to building/plant automation
- Configuration via the MDD-256/T master module (manual) or optionally by PC software (MDD256_View)
- All removable terminals, allowing the use of inexpensive installation materials and quick assembly, commissioning and replacement
- Housing for mounting on TS35 rail in standard switching stations