

MDD-R4/T DD Gas control monitoring unit



Additional, addressable control modules for extracting local control of actuators or signalling devices, mounting on TS35 rail.

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 devices / signalling devices for a selected group of up to 32 detectors working in CSDG. They have four contact outputs and two alarm outputs 12V.

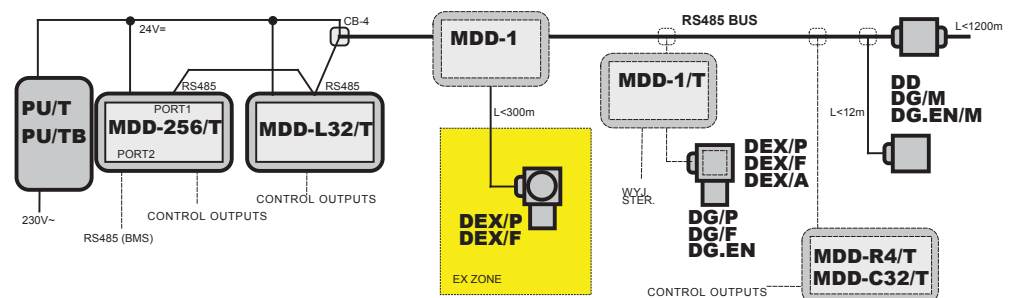
MDD-R4 / T are additional modules, requiring cooperation with an MDD-256 / T supervisory module. Communication with the supervisory module takes place in the industrial standard RS-485 in accordance with the MODBUS RTU protocol. The MDD-R4 / T module constantly receives from the supervisory unit information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

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 supervisory module type MDD-256 / T 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, OUT2, OUT3 and OUT4, for controlling fans, motors, contactors, information boards or connecting to building / plant automation;
- configuration of the module settings through the MDD-256 / T master module (manual) or optional: by special configuration software on the PC (MDD256_View program running through the MDD-256 / T module PORT2);
- all removable terminals, with the possibility of connecting wires and cables (without sleeves) give the possibility of using cheap installation materials; quick assembly, commissioning and replacement;
- housing for mounting on TS35 rail in standard switching stations.

Connection block diagram



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