

Dräger Regard 2400 and 2410

Dräger Regard 2400 and 2410 are flexible small control units for detection of toxic gases and oxygen as well as combustible gases and vapours. Combined with the Dräger transmitters or sensing heads Dräger Regard 2400 or 2410 forms a low-maintenance gas detection system for reliable protection.



Flexibel control unit

Dräger REGARD 2400 and 2410 are suitable for 4 transmitters. 4 to 20 mA transmitters

- as well as Dräger Polytron SE Ex sensing heads can be connected. The Dräger REGARD 2400 with wall-mounted enclosure is pre-installed including terminals, 2.5 A power supply units and fuses.
- It can be mounted directly onto a wall. The Dräger REGARD 2410 has been designed for easy set-up, low-cost mounting onto DIN rails in existing switching or wall cabinets. The units are ATEX approved.

Customized configuration

Dräger REGARD 2400 and 2410 can be freely configured. Two internal relays for

- gas alarm thresholds or gas alarm groups can be allocated to the respective measuring channels. Additional relays are available for acoustic alarm and fault status. Additionally, the Dräger REGARD 2400 and 2410 are equipped with two digital inputs - e.g. for horn reset or flow control. Finally Dräger REGARD 2400 and 2410
- can be connected to external modules such as an input-output module and a relay module via its built-in Modbus interface. Initial configuration of the Dräger REGARD 2400 or 2410 is done via a PC. The necessary interface connection cable and software are available as accessories.

Details

- wall-mounted (2400) or small railmounted (2410) control unit
- up to 4-channel control for toxic and combustible gases, and oxygen, can be easily configured
- 2 gas alarm relays, 1 acoustic alarm relay and 1 fault relay
- flexible gas and alarm evaluation
- easy to operate
- configuration via PC/laptop
- ATEX approval
- via Modbus 12 additional relays (optional)
- via Modbus 6 digital inputs and 6 analogue (4 to 20 mA) outputs (optional)

TECHNICAL SPECIFICATIONS

Central unit	Independent 4-channel wall-mounted (2400) or rail-mounted (2410) control unit in accordance with DIN EN 50022
Power supply	24 VDC +/- 10 % (2410) 24 VDC / 110 to 230 VAC 50 to 60 Hz (2400)
Inputs	2-wire/3-wire 4 to 20 mA transmitter or Dräger Polytron SE Ex sensing heads via signal converter (optional)
Outputs	Potential-free relay contacts of the 2 gas alarm relays plus one acoustic alarm relay and one failure relay each for 250 VAC, 2 A (2400 DPCO and 2410 SPCO)
Temperature	- 20 °C to + 60 °C
User interface	3-pushbutton operation, Dot-matrix display, LEDs, RS 232 for configuration software, Modbus interface
Dimensions	105 x 86 x 72 mm (W x H x D) (2410) 185 x 213 x 118 mm (W x H x D) (2400)
Ingress protection	IP20 (2410), IP54 (2400)
Approvals	EMC (89/336/EWG), Low voltage (73/23/EWG and 93/68/EWG), Ex II (2) G according to TPS 04 ATEX 1 001 X



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Flexibel and small control units for detection of a.o. toxic gasses