

## Dräger REGARD 2400 and 2410 Control System

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.



ST-2483-2004

### FLEXIBLE 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 rail-mounted (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)



ST-5647-2006

**Dräger REGARD 2400**  
4-channel control unit mounted on a wall.



ST-5738-2006

**Dräger REGARD 2410**  
4-channel control unit mounted on a DIN rail.

## TECHNICAL DATA

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)	
Ambient conditions	Temperature	- 20 to + 60 °C
	Atmospheric pressure	700 to 1300 hPa
	Atmospheric humidity	10 to 90 %, non-condensing
User interface	3-pushbutton operation	
	Dot-matrix display, LEDs	
	RS 232 for configuration software	
	Modbus interface	
Dimensions	Dräger REGARD 2410	105 x 86 x 72 mm (W x H x D)
	Dräger REGARD 2400	185 x 213 x 118 mm (W x H x D)
Ingress protection	Dräger REGARD 2410	IP 20
	Dräger REGARD 2400	IP54
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	

## ORDER INFORMATION

Dräger REGARD 2410	SC 00 011
Dräger REGARD 2400	SC 00 014
Internal converter module SE Ex (only Dräger REGARD 2400), one required per SE Ex channel	SC 00 016
Converter module SE Ex, one required per SE Ex channel	36 03 560
Configuration set	SC 00 040
Input-Output module	SC 00 018
Relay module	SC 00 019
Power Supply 2.5A, DIN Rail Mounting	42 08 745
Power Supply 5A, DIN Rail Mounting	42 08 746
Power Supply 8A, DIN Rail Mounting	42 08 747

### HEADQUARTERS:

Dräger Safety AG & Co. KGaA  
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23560 Lübeck, Germany

[www.draeger.com](http://www.draeger.com)

### SYSTEM CENTERS:

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