Dräger REGARD 1000 Controller

The Dräger REGARD 1000 is a versatile gas detection controller for up to four transmitters, with three freely configurable alarm relays. Operate it easily via a six-button interface. Install it in a control cabinet or mount it on a wall so it fits into your work environment. The data logging function makes it easy to collect and analyse a wide range of information from the gas detection system.

Dräger

Technology for Life

Benefits

Ready-to-use

The Dräger REGARD 1000 comes in two practical versions: as a robust wall-mounted unit with built-in power supply, ready to install directly on a wall, and as a control-cabinet module for cost-effective DIN-rail mounting in existing cabinets. Just connect it and the system is ready to go.

Easy operation and interfaces

Configure the Dräger REGARD 1000 with ease via six control buttons and a graphic LC display on site. Messages and alarms are easy to view and acknowledge. Alternatively, configure it from a PC using the built-in USB-C port for data transfer.

Robust and safe

The wall-mounted unit is dust-tight and splash-proof (IP65), offering full protection and high safety in daily use.

Data logging

Log events, statuses and readings in real time, either on trigger or at set intervals, to an SD card.

Scope of delivery: Dräger REGARD 1000 Wall Unit

- 1 REGARD 1000 (Cabinet Module)
- 1 24 V DC power supply (approx. 100 W)
- 1 Wiring between terminal blocks, power supply and REGARD 1000 (supply voltages)
- 1 Base housing with pre-cut threads 6x M16 and 8x M20 for cable glands
- 1 Top housing, frame with transparent section, hinged and opening upwards
- 1 Terminal compartment cover with fixing screws, including central cut-out (width: 9 division units)
- 1 Mounting plate with DIN rail, pre-mounted with screws in base housing
- 1 M20 plastic cable gland with pressure equalisation membrane
- 2 M20 plastic cable gland
- 5 M20 plastic blanking plug
- 6 M16 plastic blanking plug
- 3 DIN-rail terminal block (L, N, PE), colour-coded and labelled
- 1 Installation guide with drilling template

System Components

D-5942-2014

Dräger PEX 1000

The Dräger PEX 1000 is a converter that transforms mV signals from the Dräger Polytron SE Ex sensor head into mA signals. The PEX 1000 then transmits the mA signals to a control unit (for example, one of the models in the Dräger REGARD range). Along with the Polytron SE Ex, the PEX 1000 meets the requirements for primary explosion protection.

D-85378-2013

Dräger Polytron 2000

Robust, precise, safe – the Dräger Polytron 2000 is a stationary gas detector for measuring standard gases (O_2, H_2S, NH_3, Cl_2, CO). With the new, pre-calibrated DrägerSensor MEC and robust design, this gas transmitter is a reliable and economic solution for non-explosion proof areas.

D-15317-2023

Dräger VarioGard 2300 IR

The Dräger VarioGard 2300 IR is a transmitter with a 4-20 mA output signal and integrated infrared sensor. It detects flammable gases such as methane and LPG in non Ex areas, such as underground garages and laboratories.

ST-3811-2003

Dräger Polytron 3000

The Dräger Polytron 3000 is an intrinsically safe gas detector for the continuous monitoring of toxic gases and oxygen in ambient air. It is the part of a new generation of gas detectors developed on a modular platform. Communication to the central control system is done via a 4 to 20 mA signal.

System Components

D-4775-2019

Refrigerant Transmitter

Monitor your cooling system reliably for leaks. Our refrigerant transmitter detects automatically the corresponding refrigerant in the ppm range. This allows you to safely monitor occupational exposure limits.

ST-8822-2005

Dräger PIR 3000

The Dräger PIR 3000 is an explosion proof infrared gas detector for continuous monitoring of combustible gases and vapors. Based on a stainless steel SS 316 enclosure as well as on a good measuring performance, this transmitter offers an excellent price-performance-ratio.

Services

D-2331-2016

Product service

Our product service department is here to support you with a range of service packages – in our shops or on site at your facility. Care, servicing and maintenance are key factors when it comes to safety. Diligent maintenance and care are also absolutely necessary from an economic perspective. Preventive checks, service procedures and original replacement parts ensure your investment lasts longer.

D-2335-2016

Training

The Dräger Academy has been sharing its sound, practical knowledge for over 40 years. With more than 110 authorised trainers and over 600 topics, we run more than 2,400 training sessions a year. We provide your staff with practical knowledge and ensure that what they learn can be applied effectively, both on a day-to-day basis and more importantly, in critical situations. We're also happy to develop a custom-made training programme just for you.

Related Products

D-15316-2023

Dräger PointGard 3100

The Dräger PointGard 3100 is a complete 1-channel gas detection system for measuring toxic gases or oxygen in ambient air. In its robust yet compact housing with IP66 protection class, you have all the necessary alarm equipment needed.

D-3967-2025

Dräger REGARD 3000 plus

The Dräger REGARD 3000 plus is a flexible controller system that reliably monitors hazardous areas in your gas detection system and triggers alarms. Its modular design adapts to different system sizes and can be configured centrally or locally. A user-friendly dashboard and clear alarms provide transparency and safety.

D-6806-2016

Dräger REGARD 7000

The Dräger REGARD 7000 is a modular and therefore highly expandable control system for monitoring various gases and vapours. Suitable for gas warning systems with various levels of complexity and numbers of transmitters, the Dräger REGARD 7000 also features exceptional reliability and efficiency. An additional benefit is the backward compatibility with the REGARD.

Technical Data

Wall Unit: Mechanical data	
Dimensions (L x W x H)	approx. 264 x 234 x 141 mm
Housing colour	Base light grey (similar to RAL 7035)
	Top frame graphite grey (similar to RAL 7024)
	Top section in frame transparent
	Terminal cover black
Weight	approx. 2.2 kg
Wall Unit protection rating	IP65
Housing material	ABS, PC
	Seal CR or PU foam
Mounting / fixing	Fix to wall via four screw holes, housing supplied pre-assembled

Wall Unit connections	
Cable glands	1 x M20 with pressure equalisation membrane
	2 x M20
	5 x M20 blanking plugs
	6 x M16 blanking plugs
Terminal blocks	3 x for DIN rail (L, N, PE), colour-coded and labelled Four-way terminal block for supply lines PE terminal block with electrical contact to DIN rail, colour-coded

Wall Unit: Environmental conditions	
In operation	-20 °C to +50 °C
	10% to 95% RH, non-condensing
	700 hPa to 1,300 hPa
In storage	-20 °C to +50 °C
Operating voltage	230 V AC / typical 1.2 A
Max. allowable external load	4 A (EN 55022 Class A) 3.7 A @ 230 V AC (EN 55022 Class B) 2.5 A @ 115 V AC (EN 55022 Class B)
Max. own power consumption	approx. 15 W with all relays active
Relays switching capacity	max. 2 A

The Cabinet Module is part of the wall-mounted unit

Cabinet Module: Mechanical data	
Dimensions (L x W x H)	9 modules; approx. 161 mm x 90 mm x 62 mm 161 mm x 90 mm x 62 mm
Front housing colour	white
Weight	approx. 0.45 g
Cabinet Module: Protection rating	IP20
Housing material	PC

Technical Data

Mounting / fixing	Mount on 7.5/35 DIN rail in installation distributors to DIN 43880 or in comparable wall cabinets

Cabinet Module: Connections

Terminal blocks	24 V DC and relays accept cables from 0.5 mm^2 to 1.5 mm^2 4–20 mA analogue inputs, digital inputs, maintenance, Modbus (RS485) and Dbus (RS422) accept cables from 0.25 mm^2 to 1.5 mm^2 suitable
Analogue inputs	4 x 4–20 mA inputs
Digital inputs	4 x 0–30 V DC inputs
Remote monitoring	RS485 interface with Modbus-RTU protocol
Acoustic signals generator	Connection for optional acoustic alarm device
Relays	4 x changeover relays, one fixed as fault relay
Maintenance output	Normally-open contact (max. 30 V DC / Imax 50 mA / Ron < 50 Ohm)
USB-C (on front panel)	For connection to PC via USB-C cable

Cabinet Module: Environmental conditions

In operation	-20 °C to +50 °C
	10% to 95% RH, non-condensing
	700 hPa to 1,300 hPa
In storage	-20 °C to +70 °C
Operating voltage	20 V DC to 30 V DC (via PELV power supply)
Max. allowable external load	4 A (EN 55022 Class A) 3.7 A @ 230 V AC (EN 55022 Class B) 2.5 A @ 115 V AC (EN 55022 Class B)
Max. own power consumption	approx. 5.5 W with all relays active
Relays switching capacity	max. 2 A

Approval

CE marking	2014/30/EU EMC Directive
	2014/35/EU Low Voltage Directive (Low Voltage Directive)
	2011/65/EU RoHS Directive

Ordering Information

REGARD 1000 Cabinet Module	3739313
REGARD 1000 Wall Unit	3739312
Data logging equipment (not included)	
Micro SD card up to 2 TB, Class 4 or higher	
Backup power for real-time clock during mains outage Lithium button cell CR2032	

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