

Dräger VarioGard Central Unit



ST-9754-2006

The Dräger VarioGard Central Unit is the core element in a low-cost modular gas warning system. Up to 100 transmitters for different gases can be connected and controlled via a digital bus. If a gas hazard is detected, internal visual, audible and electrical annunciators are activated to trigger the necessary action.

Straightforward operation

The device is operated by means of six keys and a two-line display, information is shown in plain text. In addition, the device features a bright three-colour LED, the colour indicating the current operating status: green for normal operation, yellow for warning, red for alarm. An integrated audible alarm and five relays can be programmed as the user requires to process the alarms.

Customer specification

A Dräger VarioGard system can be configured and programmed to meet the customer's individual requirements. Besides the data provided by the sensors, digital and any analog 4 to 20 mA input signals can be read and processed. Four alarm thresholds and four averaged time-alarms can be configured for each sensor in the gas detection system.

Modular system components

The Dräger VarioGard Central Unit can supply power to as many as 24 bus modules, and a Battery Module is available as a back-up power source. A Converter Module, Relay Module and LON Module are also available. A Dräger VarioGard Repeater and separate voltage supply can be used to expand the Dräger VarioGard system to up to 100 bus modules. The maximum bus length is four times 1,000 metres. A simple three-core installation cable is all that is needed for the bus line.

The Dräger VarioGard Central Unit is also available in a version which can be installed in a control cabinet.



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Dräger VarioGard Central Unit: Control unit for Dräger VarioGard gas warning systems, based on digital bus communication.

TECHNICAL DATA

Type	Central Unit for control and power of a Dräger VarioGard system	
Display	LCD; two-line, 20 characters; for concentrations, alarms and menu	
Status display	Three-colour LED; operation, alarm, warning	
Input	Six function keys	
Alarm output	Internal horn, red status LED, LCD display and alarm relay	
Outputs	Five configurable potential-free relays for alarms and faults	
Electrical connections	Mains power, relay outputs, system bus line, battery module, remote acknowledgment, PC port	
Ambient conditions	Temperature	- 20 to 40 °C / - 5 to 105 °F
	Humidity	10 to 95 RH, non-condensing
	Pressure	700 to 1300 hPa / 20.7 to 38.4 inch Hg
Housing	Plastic ABS, light grey RAL 7035, IP 65	
	M25 x 1.5 mains power connection	
	M20 x 1.5 (other)	
Dimensions	240 x 200 x 90 mm / 9.5" x 7.9" x 3.6" (W x H x D)	
Weight	2.2 kg / 4.5 lbs	
Approvals	CE mark	RFI/EMC 89/336/EEC
		SELV 72/23/EEC

ORDER INFORMATION

Dräger VarioGard Central Unit, English, 230 V AC	83 15 350
Dräger VarioGard Central Unit, English, 115 V AC	83 15 370
Cable inlet, M20 x 1.5 (set of 10)	83 15 420
Instructions for Use	90 23 572

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