



Control unit DUOline



- Universal control unit
 - for explosive gases and vapours
 - CO measuring and ventilation control unit for indoor car parks
 - Oxygen control e.g. in mines, shafts, labs etc.
- 2 multiplexed sensor inputs
- 2 programmable threshold values
- clearly arranged display
- 2 colour LED green/red/orange for displaying operation/alarm/malfunction
- on and off delay integrated
- audible alarm
- easy to install and to operate
- permanent safety
- attractive price
- Swiss quality product

Functionality

The control unit *DUOline* is designed for connecting one or two gas sensors. Depending on the specific gravity of the gas to be detected, the gas sensors are mounted at the ceiling or 20 cm above the floor. For controlling toxic gases and oxygen, the individual sensors are available as standard and Ex protection type sensors. The pre-alarm (PA) is self-resetting; depending on the program the main alarm (MA) is also self-resetting or has to be reset manually.

Specifications

A. C. supply voltage	85...265 VAC / 50...60 Hz
power consumption without sensors	20 mA / 230 VAC
fuse of unit	T 0.5 A / 5x20 mm / IEC
fuse of relays	T 2 A / 5x20 mm / IEC
switch current	max. 2 A / 230 VAC
connection of sensor	max. 2 / 4...20 mA
sensor current limit	max. 2 x 100 mA (1x200mA) / 24 VDC
sensor cable	2/3-core cable, shielded (see specification of sensor)
dimensions	H 75 x B 155 x D 115 mm
operating temperature	-10 °C ... + 45 °C

Display

Operation:	channel LED green (CH1 / CH2)	device is live and there is no malfunction
Malfunction:	channel LED orange (CH1 / CH2)	changes colour from green to orange
Pre-alarm:	channel LED red (CH1 / CH2)	changes colour from green to red
	Pre-alarm (PA)	glows orange
Alarm:	channel LED red (CH1 / CH2)	changes colour from green to red
	Main alarm (MA)	glows red
Reset:	(RESET)	resets the main alarm, depending on application

Connection diagram

