



Gas Detection Control Unit ET-16D Wall mounted housing, 230 V AC
Article-No.: 324000

Description : Gas Detection Control Unit for measurement of flammable and/or toxic gases as well as oxygen. Graphic display. 3 alarm levels per channel. 48 freely programmable relays.

Features

Number of Transmitters	:	1 to 16 (4-20 mA/RS 485)
Signal Evaluation Alarm / Fault / Indication:	:	Microcontroller with A/D-Converter (two units 8 transmitters each) <i>f</i> 2 illuminated graphic displays (240 x 64) for indication of measured values, messages and alarms <i>f</i> 48 (3 x 16) red LEDs for alarm indication <i>f</i> LEDs for fault indication (yellow, channel: 16 x, control unit: 2 x), operation (16 x green) and maintenance mode (2 x yellow)
Alarm Levels	:	3 freely adjustable alarm levels per channel, latching function configurable <i>f</i> 48 potential free change-over contacts 230 V / 5 A (total rated current: max. 10 A), freely configurable in alarm 1 to 3 and fault <i>f</i> 2 potential free change-over contacts 230 V / 5 A for maintenance mode and fault of control unit
Relays	:	<i>f</i> RS 232/RS485-interface for communication to periphery (PC or PLC-system) <i>f</i> Service function (maintenance mode) <i>f</i> Horn reset <i>f</i> Alarm reactivation <i>f</i> 8 digital inputs, potential free
Additional Features	:	
Operation Temperature	:	-10 °C to +40 °C

Mechanical Features

Dimensions	:	800 mm x 660 mm x 395 mm (Height x Width x Depth)
Installation	:	Wall mounted housing with door, foamed-in door sealing, 2 cam locks
Material	:	<i>f</i> steel, powder-coated in textured RAL 7032 <i>f</i> door assembly: polystyrene with frame seal
Enclosure Rating	:	IP 54 (except ventilation openings at both sides of housing)
Storage Temperature	:	-25 °C to +60 °C

Electrical Features

Power Supply	:	230 V (88...264 V AC)
Power Consumption	:	Max. 0.5 A / 120 W
Cable Gland	:	▪ 3 x M32 x 1.5 (diameter of cable 15-21 mm)
		▪ 3 x M20 x 1.5 (diameter of cable 7-13 mm)
		▪ 24 x M16 x 1.5 (diameter of cable 5-10 mm)

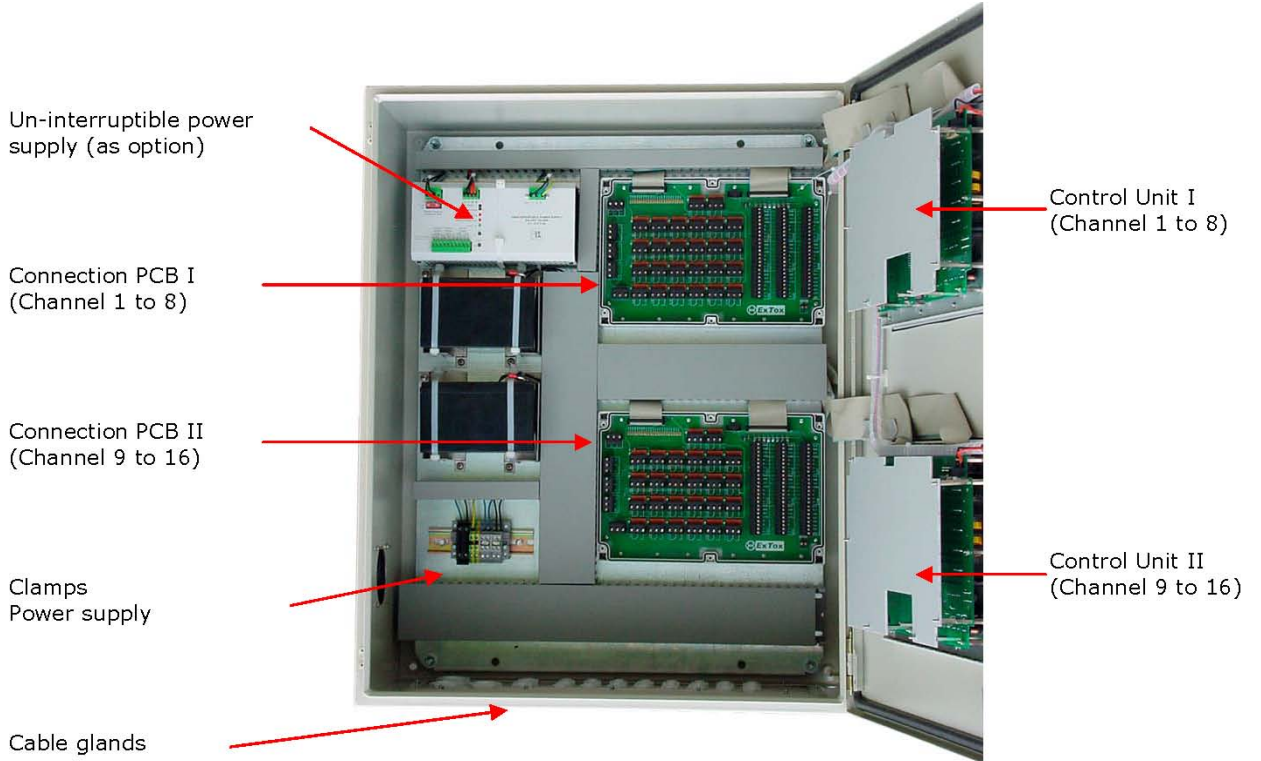
Conformity

EC-Directives	:	Y ⁻ II (3)G 94/9/EC (ATEX), 89/336/EEC (EMC), 73/23/EEC (LVD)
Measuring Function	:	Designed according to <i>f</i> EN 61779-1 to EN 61779-4 <i>f</i> EN 45544-1 to EN 45544-3 <i>f</i> EN 50104

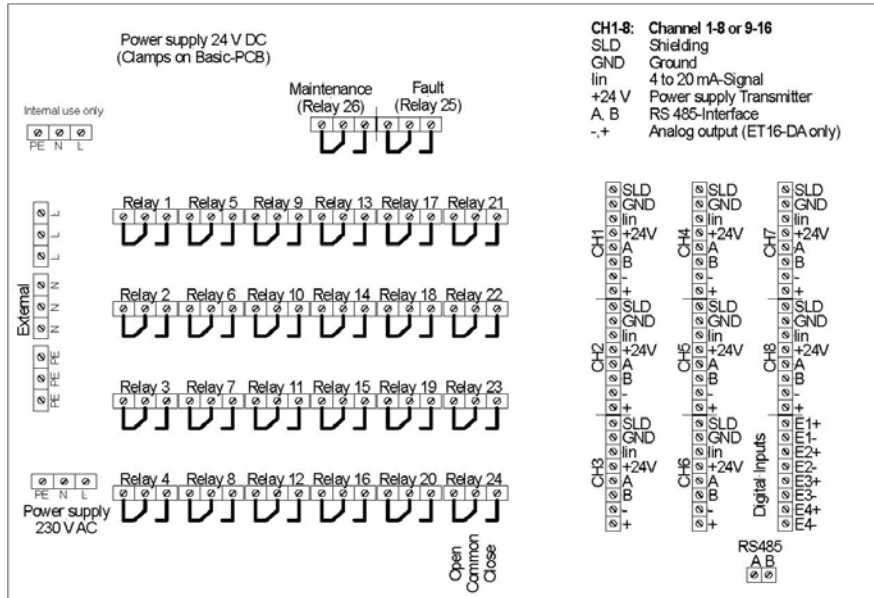
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Interior View



Connection scheme Connection PCB I or II



This Data Sheet is at the same time a type specific supplement to the Instruction Manual ExTox Gas Detection Control Unit Series ET-16D. (Subject to technical changes)