Gas Detection Control Unit ET-8D Wall mounted housing, 230 V AC

Article-No.: 320000





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

channel. 24 freely programmable relays.

Features

Number of Transmitters : 1 to 8 (4-20 mA/RS 485)

Signal Evaluation : Microcontroller with A/D-Converter

Alarm / Fault / Indication: : • illuminated graphic display (240 x 64) for indication of measured

values, messages and alarms

24 (3 x 8) red LED for alarm indication

 LED for fault indication (yellow, channel: 8 x, control unit: 1 x), operation (8 x green) and Maintenance mode (1 x yellow)

Alarm Levels : 3 freely adjustable alarm levels per channel,

latching function configurable

Relays : • 24 potential free change-over contacts 230 V / 5 A (total rated

current: max. 10 A), freely configurable to alarm 1 to 3 and fault

2 potential free change-over contacts 230 V / 5 A for

maintenance mode and fault of control unit

Additional Features : RS 232/RS485-interface for communication to periphery (PC or

PLC-system)

Service function (Maintenance mode)

Horn reset

Alarm reactivation

4 digital inputs, potential free

Operation Temperature : -10 °C to +40 °C

Mechanical Features

Dimensions : 234 mm x 300 mm x 160 mm (Height x Width x Depth)

Installation : Wall mounted housing

Material : Housing ABS

Enclosure Rating : IP 54

Storage Temperature : -25 °C to +60 °C

Electrical Features

Power Supply : 230 V (85...264 V AC, 47...440 Hz or 120...340 V DC)

Power Consumption : Max. 0.2 A / 45 W

Cable Gland : 1 x M20 x 1.5 (diameter of cable 7-13 mm) 15 x M16 x 1.5 (diameter of cable 5-10 mm)

Conformity

EC-Directives : C€ ₺ II (3)G

94/9/EC (ATEX), 89/336/EEC (EMC), 73/23/EEC (LVD)

Measuring Function : Designed according to

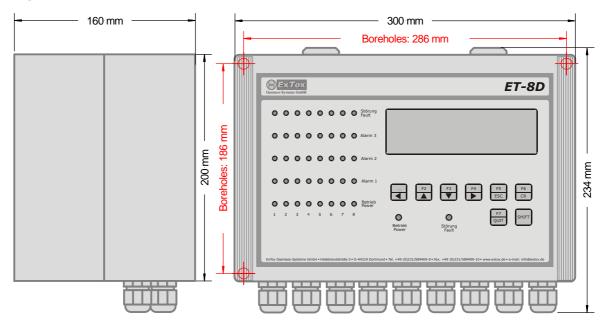
EN 61779-1 to EN 61779-4
 EN 45544-1 to EN 45544-3

EN 50104

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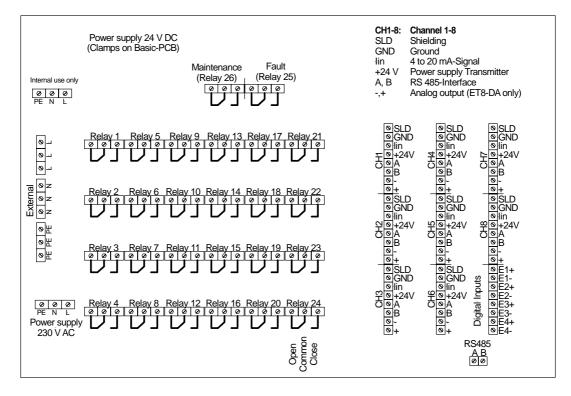
Drawing



Installation

- Position of boreholes used for wall mounting is marked red in the drawing.
 - Maximum diameter of mounting screws: d= 4.5 mm
 - The housing can be opened for installation and maintenance purposes.
 The cover can now be opened and tucked up. Provide free space above the housing.

Connection scheme



This Data Sheet is at the same time a type specific supplement to the Instruction Manual ExTox Gas Detection Control Unit Series ET-8D.

(Subject to technical changes)