



(Picture shows Control Unit ET-16D)

Description : Gas Detection Control Unit for measurement of flammable and/or toxic gases as well as oxygen. Graphic display. 3 alarm levels per channel. 72 freely programmable relays.

Features

Number of Transmitters : 1 to 24 (4-20 mA/RS 485)
 Signal Evaluation : Microcontroller with A/D-Converter (three units with 8 transmitters each)
 Alarm / Fault / Indication: :

- 3 illuminated graphic displays (240 x 64) for indication of measured values, messages and alarms
- 72 (3 x 24) red LEDs for alarm indication
- LEDs for fault indication (yellow, channel: 24 x, control unit: 3 x), operation (24 x green) and maintenance mode (3 x yellow)

 Alarm Levels : 3 freely adjustable alarm levels per channel, latching function configurable
 Relays :

- 72 potential free change-over contacts 230 V / 5 A (total rated current: max. 10 A), freely configurable in 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
- 12 digital inputs, potential free
- 32 analogue outputs 4-20 mA / 0-5 V / 0-10 V, potential free

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

Mechanical Features

Dimensions : 1000 mm x 800 mm x 300 mm (Height x Width x Depth)
 Installation : Wall mounted housing with door, foamed-in door sealing, 2 cam locks
 Material :

- steel, powder-coated in textured RAL 7032
- 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. 1.0 A / 240 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)

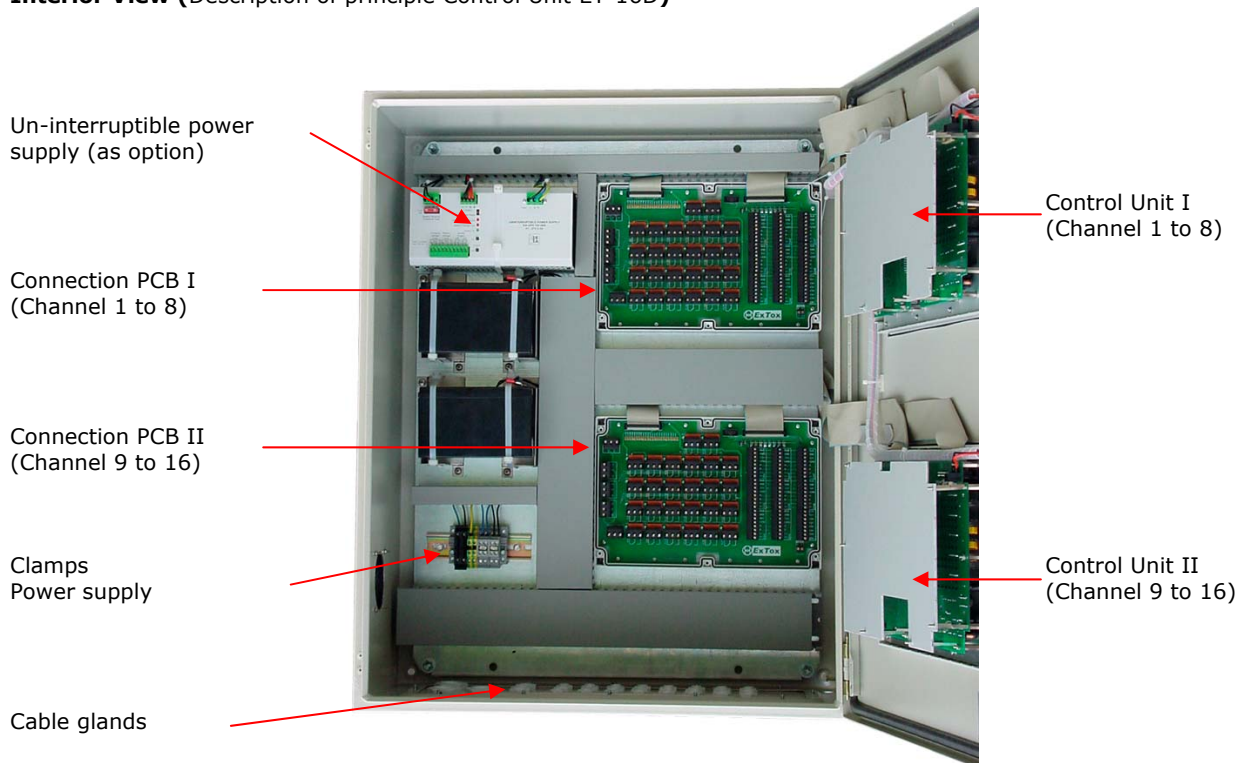
Conformity

EC-Directives : CE (3)G
 94/9/EC (ATEX), 89/336/EEC (EMC), 73/23/EEC (LVD)
 Measuring Function : Designed according to

- DIN EN 61779-1 to DIN EN 61779-4
- DIN EN 45544-1 to DIN EN 45544-3
- DIN EN 50104

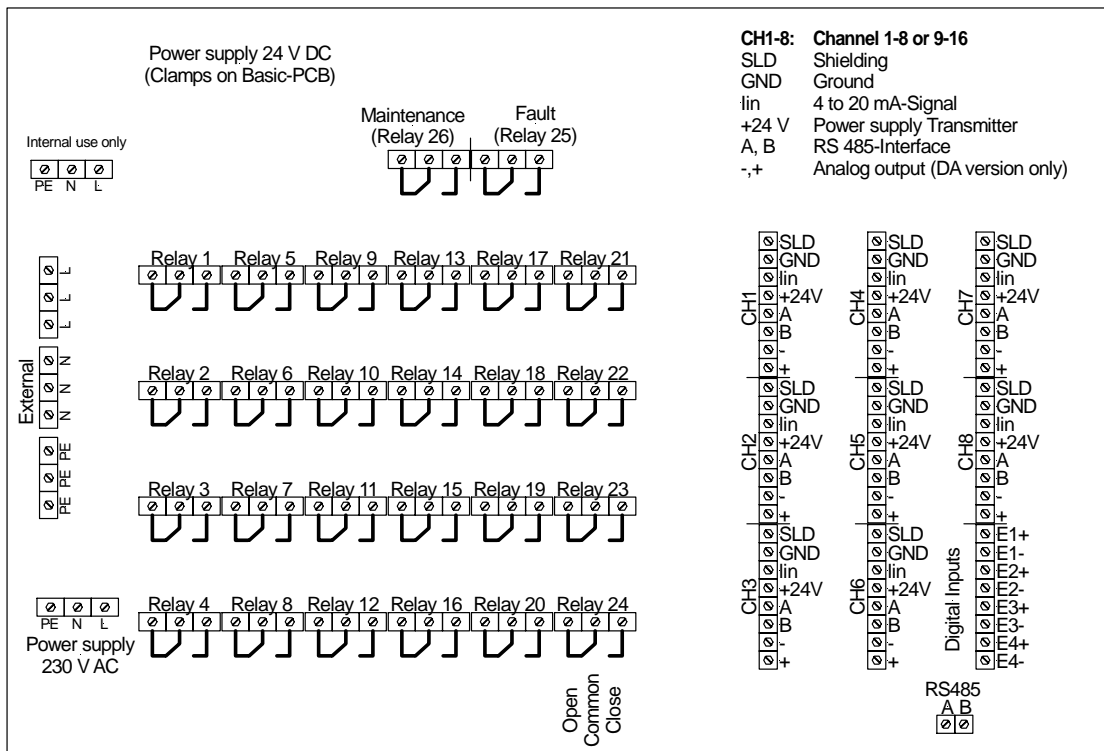
Gas Detection Control Unit ET-24DA
Wall mounted housing, 230 V AC
 Article-No.: 330000

Interior View (Description of principle Control Unit ET-16D)



Connection scheme

Connection PCB I to III



This Data Sheet is at the same time a type specific supplement to the Instruction Manual *ExTox Gas Detection Control Unit Series ET-16D to ET-64D*.
 (Subject to technical changes)