



(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. 144 freely programmable relays. 48 analogue outputs

Features

Number of Transmitters : 1 to 48 (4-20 mA/RS 485)
 Signal Evaluation : Microcontroller with A/D-Converter (four units with 8 transmitters each)
 Alarm / Fault / Indication: :

- 6 illuminated graphic displays (240 x 64) for indication of measured values, messages and alarms
- 144 (6 x 24) red LEDs for alarm indication
- LEDs for fault indication (yellow, channel: 48 x, control unit: 6 x), operation (48 x green) and maintenance mode (6 x yellow)

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

- 144 potential free change-over contacts 230 V / 5 A (total rated current: max. 15 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
- 24 digital inputs, potential free
- 48 analogue outputs 4-20 mA / 0-5 V / 0-10 V, potential free

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

Mechanical Features

Dimensions : 2200 mm x 1200 mm x 500 mm (Height x Width x Depth)
 Installation : Cabinet, double door
 Material :

- steel, powder-coated in textured RAL 7032
- door assembly: polystyrene with frame seal

 Enclosure Rating : IP 54
 Storage Temperature : -25 °C to +60 °C

Electrical Features

Power Supply : 230 V (88...264 V AC)
 Power Consumption : Max. 1.4 A / 340 W

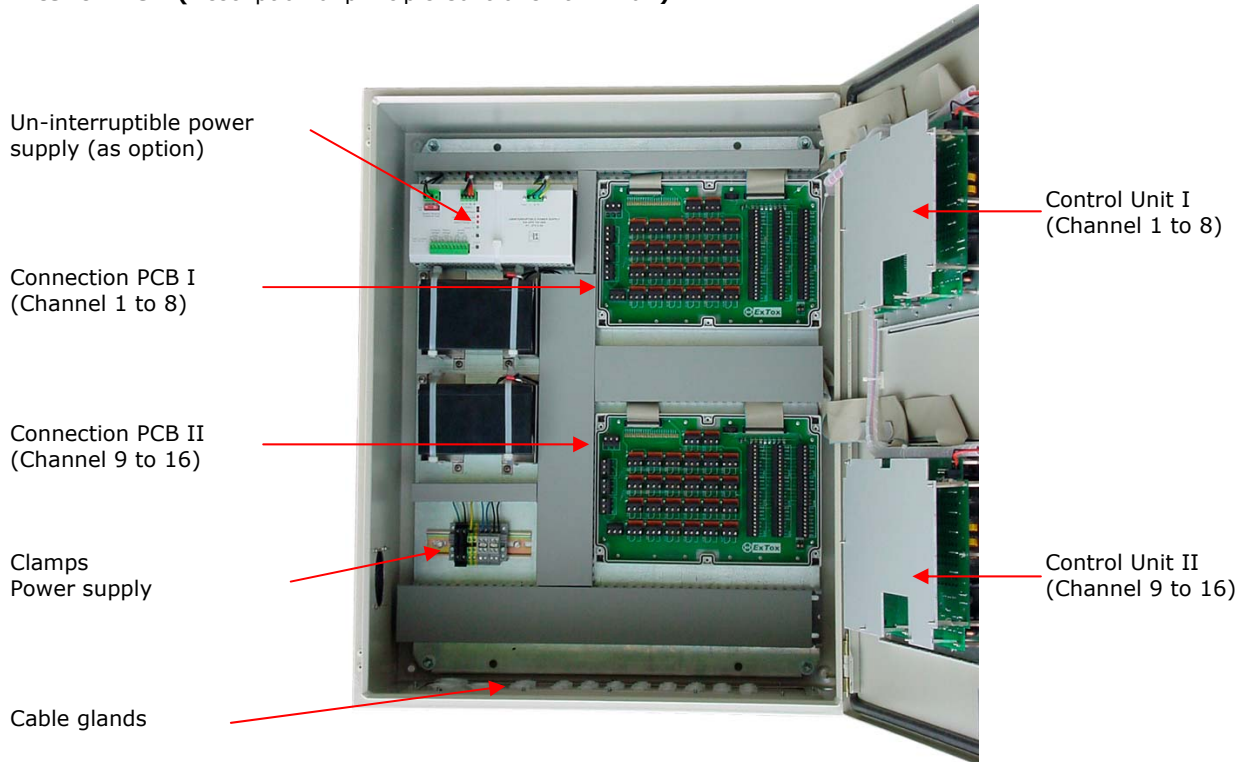
Conformity

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

- DIN EN 61779-1 mit DIN EN 61779-4
- DIN EN 45544-1 bis DIN EN 45544-3
- DIN EN 50104

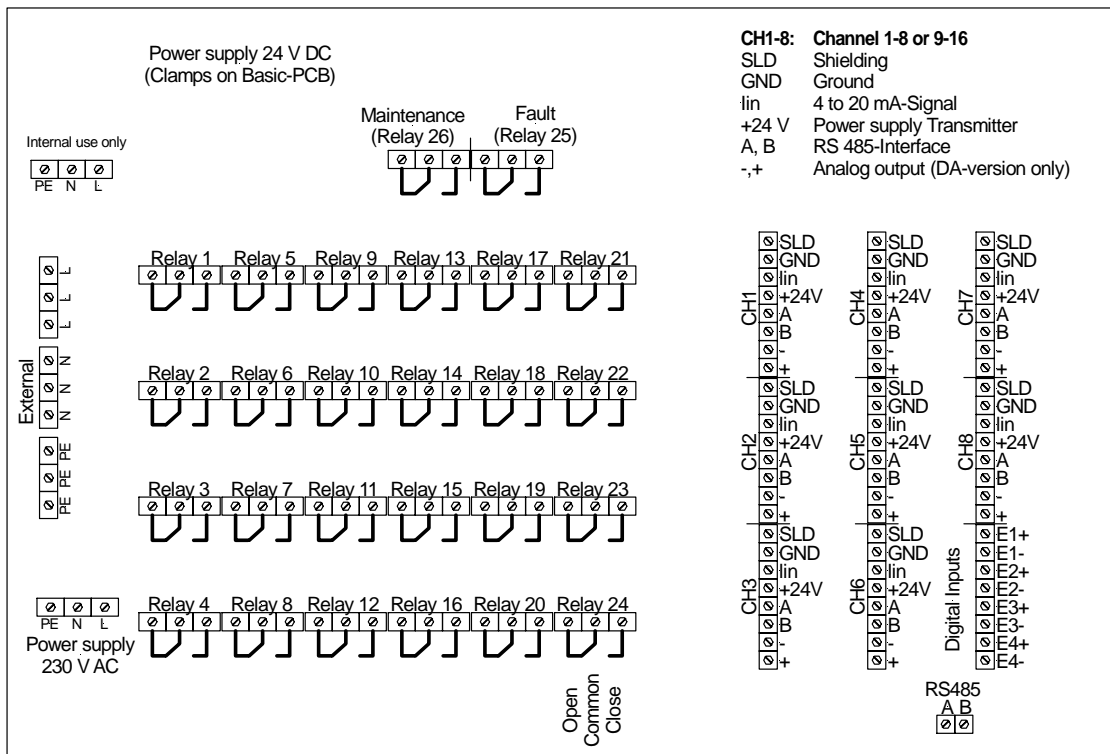
Gas Detection Control Unit ET-48DA
Cabinet, 230 V AC
 Article-No.: 332021

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



Connection scheme

Connection PCB I to VI



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)