



(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. 120 freely programmable relays. 40 analogue outputs

**Features**

Number of Transmitters : 1 to 40 (4-20 mA/RS 485)  
 Signal Evaluation : Microcontroller with A/D-Converter (four units with 8 transmitters each)  
 Alarm / Fault / Indication: :
 

- 5 illuminated graphic displays (240 x 64) for indication of measured values, messages and alarms
- 120 (5 x 24) red LEDs for alarm indication
- LEDs for fault indication (yellow, channel: 40 x, control unit: 5 x), operation (40 x green) and maintenance mode (5 x yellow)

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

- 120 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
- 20 digital inputs, potential free
- 40 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. 1.2 A / 290 W

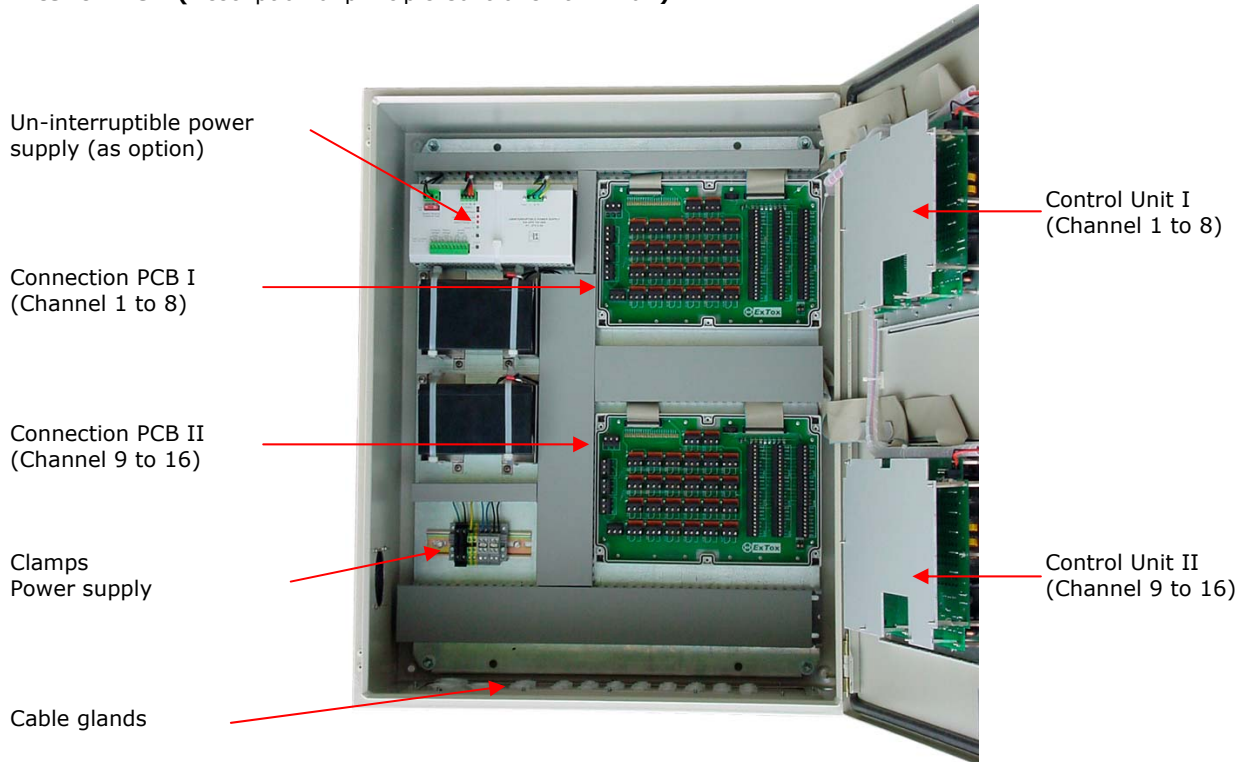
**Conformity**

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

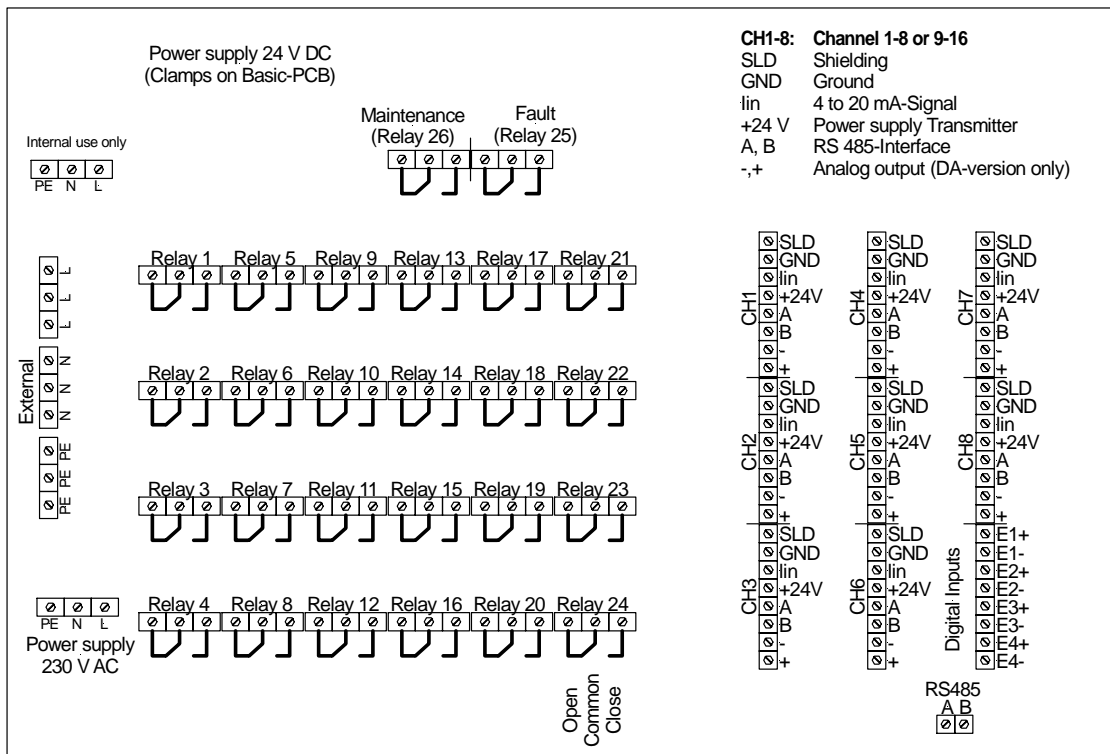
**Gas Detection Control Unit ET-40DA**  
**Cabinet, 230 V AC**  
 Article-No.: 332011

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



**Connection scheme**

Connection PCB I to V



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)