



(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. 192 freely programmable relays.

**Features**

- Number of Transmitters : 1 to 64 (4-20 mA/RS 485)
- Signal Evaluation : Microcontroller with A/D-Converter (four units with 8 transmitters each)
- Alarm / Fault / Indication: :
  - 8 illuminated graphic displays (240 x 64) for indication of measured values, messages and alarms
  - 192 (8 x 24) red LEDs for alarm indication
  - LEDs for fault indication (yellow, channel: 64 x, control unit: 8 x), operation (64 x green) and maintenance mode (8 x yellow)
- Alarm Levels : 3 freely adjustable alarm levels per channel, latching function configurable
- Relays :
  - 192 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
  - 32 digital inputs, 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**

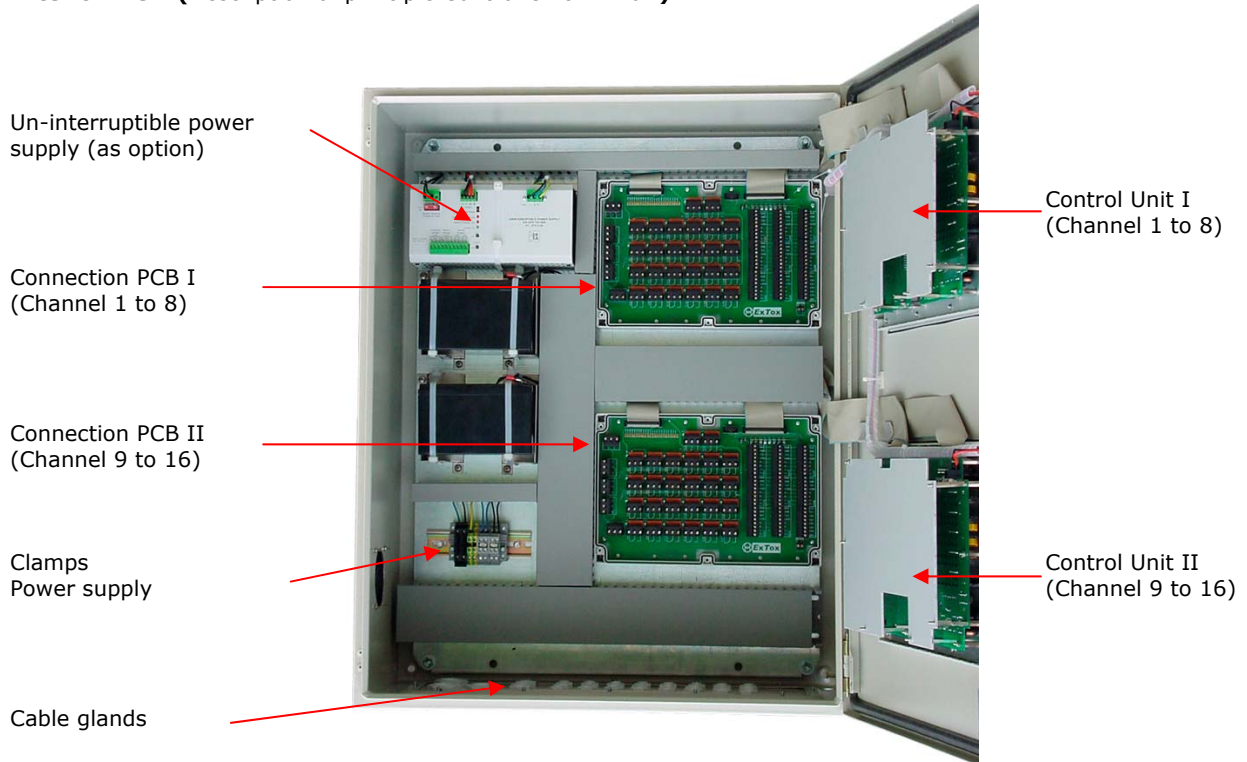
- Power Supply : 230 V (88..264 V AC)
- Power Consumption : Max. 1.8 A / 440 W

**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

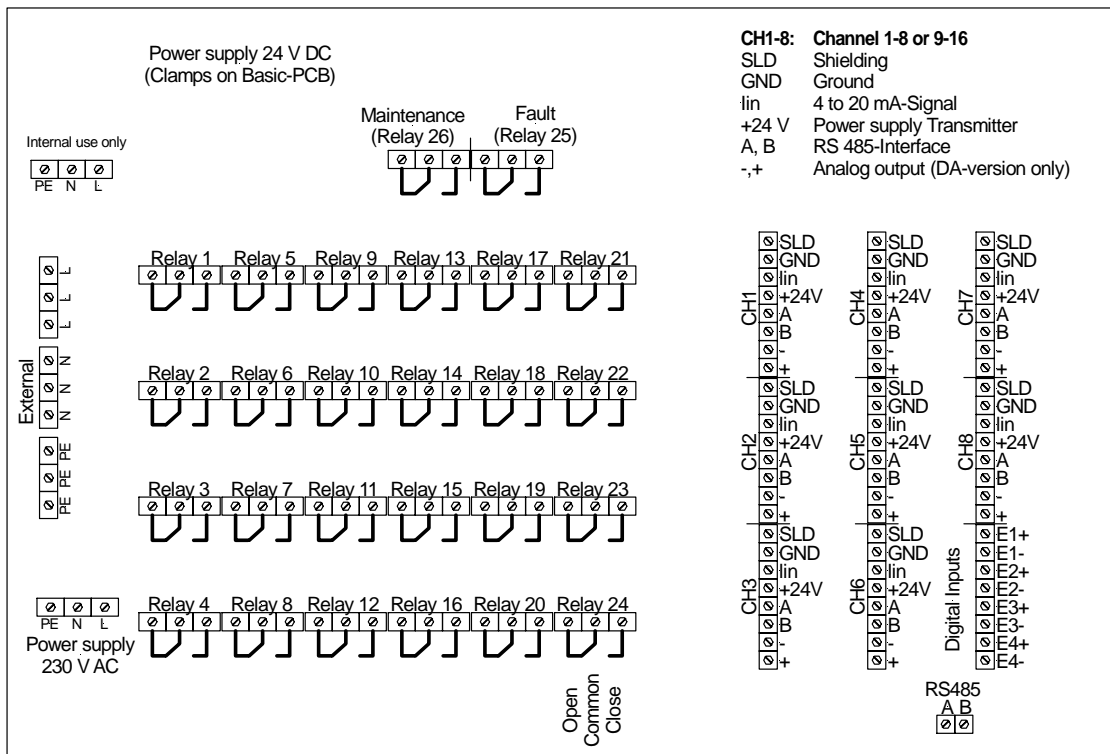
**Gas Detection Control Unit ET-64D**  
**Cabinet, 230 V AC**  
 Article-No.: 332040

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



**Connection scheme**

Connection PCB I to VIII



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)