



(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. 96 freely programmable relays. 32 analogue outputs

Features

- Number of Transmitters : 1 to 32 (4-20 mA/RS 485)
- Signal Evaluation : Microcontroller with A/D-Converter (four units with 8 transmitters each)
- Alarm / Fault / Indication: :
 - 4 illuminated graphic displays (240 x 64) for indication of measured values, messages and alarms
 - 96 (4 x 24) red LEDs for alarm indication
 - LEDs for fault indication (yellow, channel: 32 x, control unit: 4 x), operation (32 x green) and maintenance mode (4 x yellow)
- Alarm Levels : 3 freely adjustable alarm levels per channel, latching function configurable
- Relays :
 - 96 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
 - 16 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 : Cabinet, door hinge right or left optional
- 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

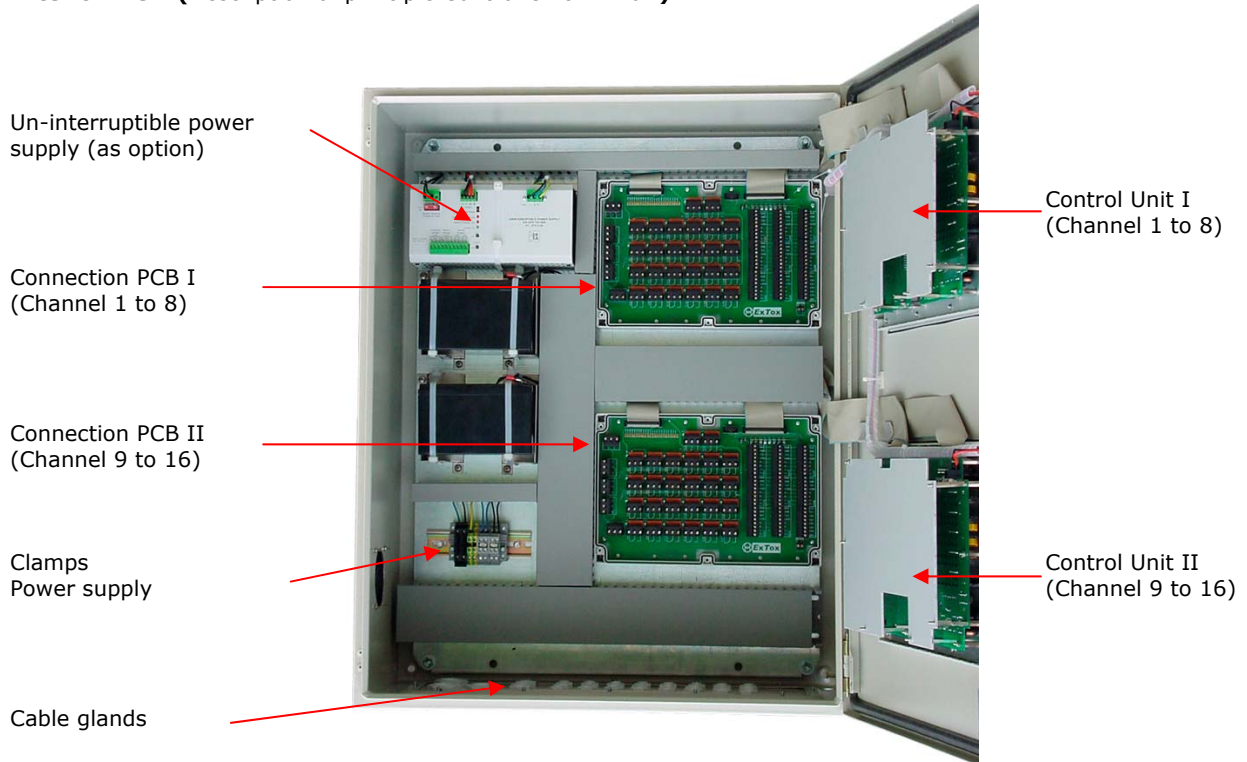
- Power Supply : 230 V (88...264 V AC)
- Power Consumption : Max. 1.0 A / 240 W

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

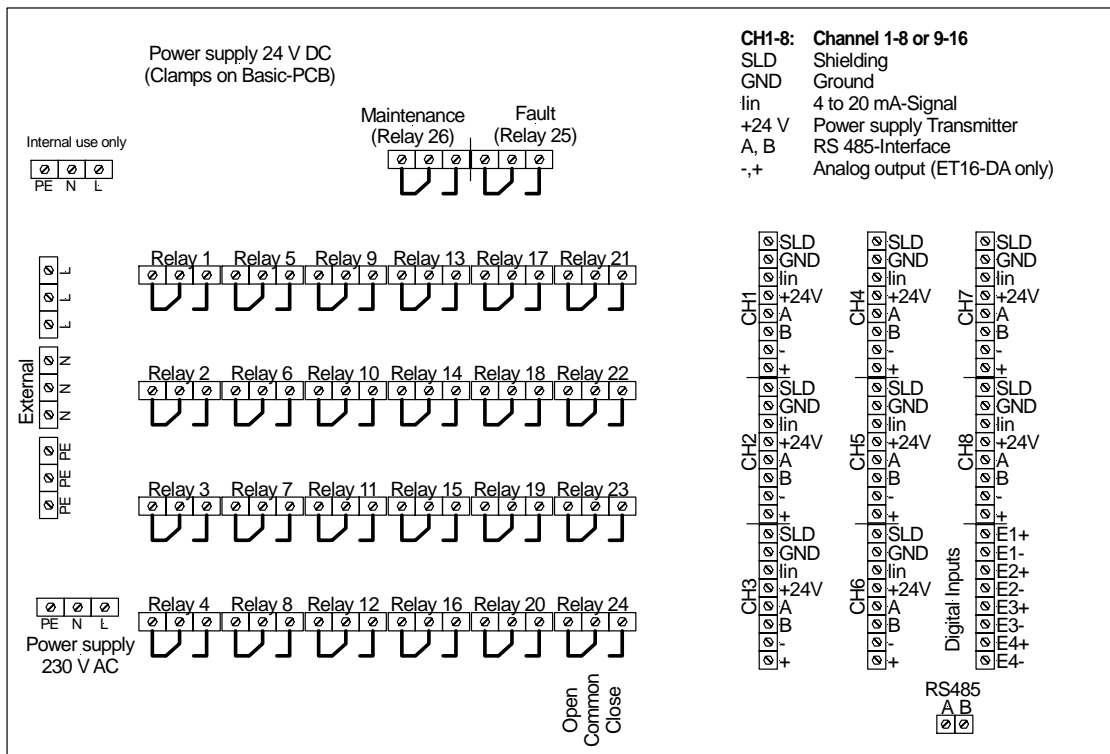
Gas Detection Control Unit ET-32DA
Cabinet, 230 V AC
 Article-No.: 332001

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



Connection scheme

Connection PCB I to IV



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)