

## ▶ UKA III

### 4 or 8 channels digital controller



### Technical specifications

**Function:** Multi-channel measurement and alarm controller

**Capacity / Number of sensors:**

- 1 bus of 4 RS485 sensors (DEGA protocol) - UKA III 4
- 1 bus of 8 RS485 sensors (DEGA protocol) - UKA III 8

**Alarm:** 4 alarm levels per channel

**Supply voltage:**

- 8-30 Vdc / 24 Vdc nominal
- 230 Vac (option)

**Internal recording capacity:**

- Capacity adjustable from 1 to 255 seconds
- 34 days with 1 point each 60 seconds

**Outputs:**

- 5 relay outputs 250V / 10A
- 2 signaling outputs (maximum 24V / 0.4A)
- 1 analog (4-20 mA) output
- 1 USB port (configuration by PC)

**Connection:** RS485 - shielded cable 3 x 1 mm (max. 1200 m)

**Protection index:** IP 54

**Dimensions (WxHxD):** 250 x 145 x 65 mm

**Weight:** 0.8 kg

**Operating conditions:**

- Temperature: -20 °C to + 60 °C
- Relative humidity: 0 to 95% RH (non-condensing)

### Product description

The **UKA III** multi-channel gas controller can control up to 8 gas detectors in RS485 communication with the **NB III** (for safe areas), **NS II** (ATEX 2 zones) or **NS III** (ATEX 1 zones) series. It is designed to monitor the presence of toxic, explosive, asphyxiating and refrigerant gas or volatile organic compounds.

Small in size and very simple, this gas detection controller with excellent value is ideal for small tertiary or industrial applications. Equipped with a large LCD screen, this highly modular controller unit has 4 alarm levels per channel for the highest level of security.

As an option, an internal card with 3 additional relays and an internal memory module (for saving the alarm history for the last 34 days) are available. Each alarm relay can be configured as normally open, normally closed, open / close cycle with manual acknowledgment, automatic or after a programmed delay.

#### ▶ Advantages of the UKA III detection unit

- Up to 8 digital inputs
- Large backlit LCD display
- 5 serial alarm relays + 2 signaling relays
- 4 alarm levels by gas sensors
- 1 USB port for PC configuration
- Alarm history over the last 34 days (FIFO)
- Excellent value for money

#### ▶ Codifications

Code	Description
10100001	UKA III 4 - Gas controller: 1 RS485 input (1 bus of 4 transmitters maximum)
10100002	UKA III 8 - Gas controller: 1 RS485 input (1 bus of 8 transmitters maximum)

#### ▶ Options

Code	Description
10200002	230 V AC / 15VA power supply
10200003	Relay module - 3 relays, 250 V / 10 A
10200005	Memory module - Internal memory with battery