DEGA UKA III

GAS DETECTION CONTROL PANEL

- Up to 8 transmitters via RS485
- Protection level IP 54
- Produced in compliance with standard SIL

The third-generation evaluation controller is designed as a separate device, with the possibility of mounting on a wall or in a switchboard. It is used to supply up to 8 gas transmitters connected via RS485. For each transmitter individually and as a whole, it evaluates the gas leakage in four levels and information about the failure of a given transmitter or the entire system (1-4th level ALARM and ERROR). It is also possible to connect one DEGA Zc II flood transmitter and a DEGA Tc II temperature transmitter (up to two critical temperature levels, ALARM). The status of all transmitters is indicated on the controller through an LCD display. The controller can be equipped with up to 2 pieces of freely configurable relays, an output for optical and acoustic signaling, a USB port, and individual internal and external modules. The controller can also be expanded with memory (HISTORY) with recording up to 34 days back and a backup power supply (UPS).

TECHNICAL DETAILS	
Power supply	230 V AC/15 VA, or 24 V DC/0,6 A nominal
Functional protection standard	EN61508
Dimension without bushings	250x145x65 mm (WxHxD)
Weight	0,8 kg
Internal memory capacity	34 days
Record saving interval	60 s (adjustable range from 10s to 255 s
Ambient temperature	-20 to +85 °C
Relative humidity	0-95 % RV
Cover protection level	IP 54
Operating environment	BE1 - environment without danger of explosion

TYPES:

DEGA UKA III 4

control panel for max. 4 transmitters

DEGA UKA III 8

control panel for max. 8 transmitters

OUTPUTS:

- 5x isolated switch 250V/10A
- 2x output for visual and acoustic signalization (max 24V 0,40A)
- 1x emergency valve DEGA HV DNx
- 1x 4-20mA for external regulator
- 1x USB (to allow configuration via PC)

FUNCTIONS:

- 34 days alarm record history
- 4 levels of gas leakage, PEL, STEL
- Service mode
- Naming of positions of detectors for better orientation
- Output testing via "TEST MENU"

EXPANSION MODULES:

DEGA UKA III Power

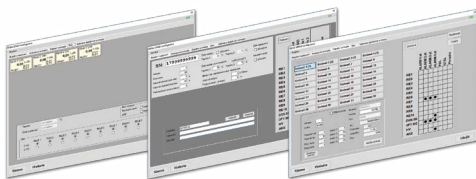Internal Power Supply 230 V AC/15VA

DEGA UKA III Memory Modul

Internal memory with battery

DEGA UKA III Relay Modul

Internal 3-relay, 250 V/10 A

SOFTWARE:

DEGA Config
configuration and service software

DEGA VISIO III
visualization software

ACCESSORIES:

Intrinsic safety
Zener barrier

Mounting Box for
Zener
Bariers with DIN rail

UPS External
(Battery Backup
12Ah/24Ah)