DEGA
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GAS AND FIRE DETECTORS
DETEKTORY PLYNU A POŽÁRŮ

DEGA UPA III 16/32
GAS DETECTION CONTROL PANEL

- Up to 32 transmitters via RS485
- Up to 8 transmitters via 4-20mA
- Produced in compliance with standard SIL
- Protection level IP 54

Gas detection control panel **DEGA UPA III 16/32**

The 3rd generation control panel is designed as an independent appliance to be mounted on the wall or in exchange stations. Up to 32 transmitters can be connected to the control panel via RS485, and up to 8 transmitters can be connected via loop circuit 4 - 20 mA. The control panel evaluates 4 levels of gas leakage detected by transmitters. One flood detection sensor DEGA Zc II and one temperature detection sensor DEGA Tc II can be connected to the control panel as well. The control panel indicates values of all transmitters via an LCD display. The control panel is equipped with 10 configurable realys, with output for visual and acoustic signalization components, output for impulse closure of emergency valves DEGA HV DNx; USB port and RS485 to allow connection to a superior control system (PLC, PC with visualization). The basic configuration can be carried out via an LCD display. The central control panel has a 34 day long memory of alarm records.

TECHNICAL SPECIFICATION:	
Power supply	230 V AC/40 VA, or 24 V DC/2 A nominal
Functional protection standard	EN61508
Dimension without bushings	280x200x85 mm (WxHxD)
Weight	1,4 kg
Internal memory capacity	34 days at a 60s-record-saving-intervals
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

■ SYSTEM OF DETECTOR MARKING:

DEGA UPA III 16
control panel for max. 16 transmitters

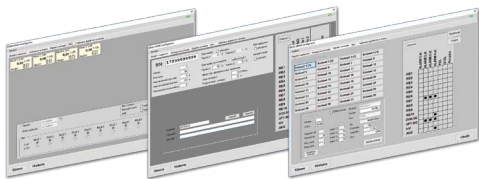### DEGA UPA III 32
control panel for max. 32 transmitters

■ OUTPUTS:

- 10x isolated switch 250V/10A
- 2x output for visual and acoustic signalization (max 24V/1A)
- 1x emergency valve DEGA HV DNx RS485 communication protocol DEGA, or MODBUS for superior control system (PLC, PC)
- USB (to allow configuration via PC)

■ FUNCTIONS:

- 34 days alarm record history
- 4 levels of gas leakage alarm, PEL, STEL
- Service mode
- Naming of positions of detectors for better orientation
- Reading of values and and statuses for the superior control system via Modbus commucation protocol
- Testing of outputs via "TEST MENU"

■ SOFTWARE:

DEGA Config
configuration and service software

DEGA VISIO III
visualization software

■ ACCESSORIES:

External box
for accessories

External power
supply for
acoustic and visual
signalization

Zener barrier for
acoustic and visual
signalization used
in environment with
danger of explosion

Interface
Ethernet/RS485