DEGA
www.dega.co.com

GAS AND FLAME DETECTION
DETEKCE PLYNU A PLAMENE

DEGA UPA III 16/32

GAS DETECTION CONTROL PANEL

- Possibility to connect 16 to 32 transmitters via RS485

- Possibility to connect 8 transmitters via 4-20 mA

- Output max. 10 x changeover relay 250 V/10 A (3 x default + 7 x Relay Module), 1 x 4-20 mA, Modbus

- 4 – level detection with history

ISO 9001:2015
Quality management Systems
Système de Qualité
www.sgs.com

SGS

SYSTEM CERTIFICATION
ISO 9001

ilac

Ex

IECEx

The third generation evaluation control panel is designed as a separate device designed for surface mounting. It is used to supply 16 to 32 gas transmitters connected via RS485 and up to 8 gas transmitters connected via a 4-20 mA current loop. For transmitters, it evaluates gas leakage in four levels. The status of all transmitters is indicated on the control panel by means of an LCD display. The control panel can be equipped with up to 10 arbitrarily configurable relays, output for optical and acoustic signaling, USB port, and RS485 for connection to a superior system (PLC, PC with visualization).

TECHNICAL DETAILS:	
Power voltage:	230 V AC/15 VA nebo 24 VDC/2 A nominal
Functional hazard:	EN61508
Dimensions without bushings:	280 x 200 x 85 mm (WxHxD)
Weight:	1,4 kg
Internal memory history capacity:	34 days with a recording interval of 60 s
Memory storage interval:	60 s (adjustable range 10-255 s)
Ambient temperature:	-20 °C to +60 °C
Relative humidity:	0-90 % RV
Degree of protection with cover:	IP 54
Working environment:	BE1 - non-explosive environment

■ PRODUCT TYPES:

DEGA UPA III 16
Evaluation control panel for up to 16 transmitters

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

■ OUTPUTS:

- 3 x potential-free changeover relay 250 V/10 A
- Max. 10 x changeover relay 250 V/10 A
  (3 x default + 7 x Relay Module)
- RS485 – DEGA or MODBUS protocol for superior system (PLC, PC)
- USB (for configuration via PC)

■ FUNCTION:

- Alarm history 34 days back
- 4 degrees of gas leakage, PEL, STEL
- Service mode
- Possibility of naming transmitter positions
- Reading values and states for the superior system using the MODBUS communication protocol
- Testing outputs using "TEST MENU"

■ INPUT:

- Up to 8 4-20 mA transmitters
- Up to 32 RS485 transmitters (max. 2 circuits)

■ MODULES:

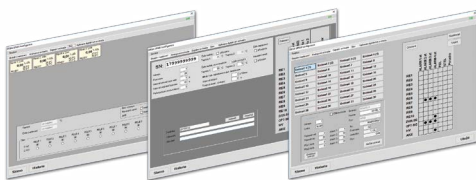| DEGA UPA III Power (Internal Power Supply 230 V AC/15 VA)	DEGA UPA III I Relay Module (Internal Output, 7-relays, 250 V/10 A)	DEGA UPA III RS485 Modbus RTU Module (Internal Output RS485 Modbus RTU)	DEGA UPA III 4-20 mA Input Module (Internal Input 4-20 mA)	DEGA UPA III Memory Module (Internal memory with battery)

■ SOFTWARE:

DEGA Config
configuration and service software

DEGA VISIO III
visualization software

■ ACCESSORIES:

External box for accessories

Additional source

Zener barrier

UPS (Battery Backup 12Ah/24Ah))

Cable Glades PG9 (10 pcs)

DEGA Configuration KIT (Configuration software DEGA Config with USB cable)