



Control unit

Features

- 4 voltage free contacts
- 3-line LCD display
- LED status display
- Modular design
- Fail-safe control
- Integrated valve switch
- 10 mm purging gas input

Description

The control unit APEX 2003.MV controls and monitors the purging and operating cycle of small separate Ex p enclosure.

The purging gas flow rate during purging is 4100 l/h. The purging time is set via rotary switch on the control module, the pressure switching values via pushbutton or RS 485 interface.

The control unit provides 4 freely programmable relay outputs.

Explosion protection

Ex protection type

Ex II 2(1)G Ex e d ib [ia Ga px] IIC T4

Certification

DMT 99 ATEX E 082
INMETRO 2004 EC02 CP042

Ambient temperature

-20 °C to +40 °C

Technical data

Guidelines/norms/certifications

Directive 2004/108/EC
Directive 94/9/EC

Construction

Ex e protective enclosure
with viewport lid

Enclosure material

glass-fibre reinforced polyester

Protection class

IP 65

Terminals

2.5 mm², fine stranded

Purge gas connection

∅ 10 mm

Pressure sensors

MIN A = 0 to 25 mbar
MIN B = 0 to 25 mbar
MAX = 0 to 25 mbar
MAX 1 = 0 to 25 mbar
DIFF A = 0 to 25 mbar
DIFF B = 0 to 25 mbar

Purging time

0 to 99 min; 5 sec. dropout delay

Weight

5.9 kg

Electrical data

Supply voltage

AC 230 V (AC 115 V) ± 10 %

Power consumption

P_v = 15 W/230 V

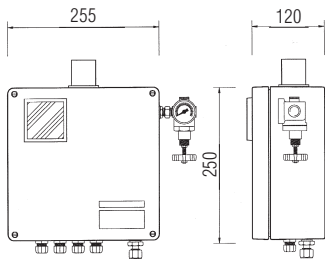
Make contact

K 2/3, 5 A for cos φ = 1
K 4 and K 5; voltage free

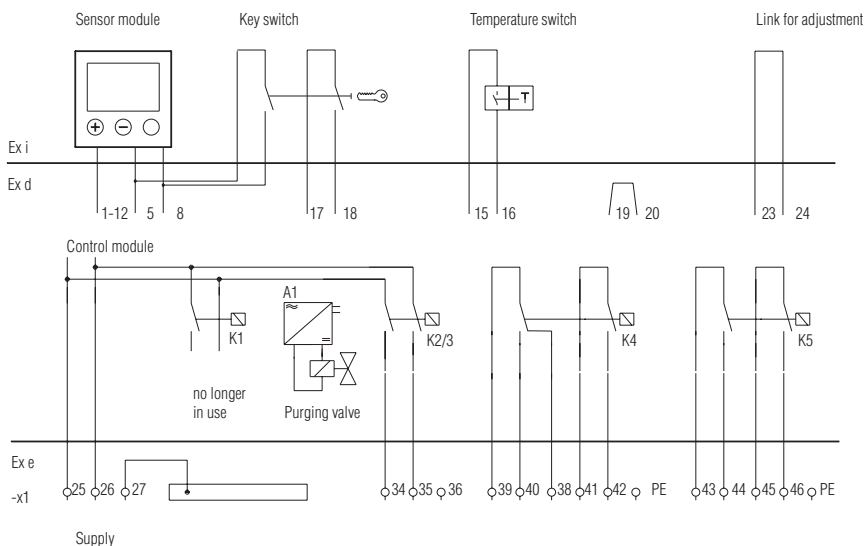
Temperature switching value (optional)

0 °C to +80 °C

Dimensions/mounting positions



Wiring diagram/terminal assignment



Selection chart

Version	Code no.
230 V	1
115 V	2

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