



Control unit

Features

- 4 voltage free contacts
- 3-line LCD display
- LED status display
- Modular design
- Fail-safe control

Description

The control unit APEX 2003.001 controls and monitors the purging and operating phase of pressurised enclosures.

Digital or proportional purging gas valves are available as purging gas inlet.

The parameters are adjusted using rotary switches and buttons. Optionally the parameters can be transferred using an RS485 interface.

The control unit has two programmable relays and a non-isolated enabling contact.

Explosion protection

Ex protection type

ATEX Ex II 2(1)G Ex e d ib [ia Ga px] IIC T4/T6 Gb  
Ex II 2(1)G Ex e d [ia Ga px] IIC T6 Gb

Certification

DMT 99 ATEX E 082

IECEX Ex e d ib [ia Ga px] IIC T4/T6 Gb

Ex e d [ia Ga px] IIC T6 Gb

Certification

IECEX BVS 13.0039

Further approvals and test certificates can be found at [www.bartec.de](http://www.bartec.de)

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

Enclosure material

glass-fibre reinforced polyester

Protection class

IP 65

Terminals

2.5 mm<sup>2</sup>, fine stranded

Purging time

0 to 99 min; 5 sec. dropout delay

Weight

3.8 kg

Electrical data

Supply voltage

AC 230 V (AC 115 V) ±10%  
DC 24 V ±10%

Power consumption

P<sub>V</sub> = 8 W/230 V

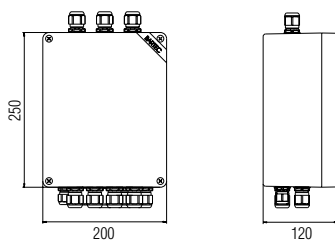
Make contact

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



Selection chart 9 W version

| Version  | Code no. |
|----------|----------|
| AC 230 V | 1        |
| AC 115 V | 2        |
| DC 24 V  | 4        |

07-3711-1200 / 010  
Complete order no.

Please insert correct code.  
Technical data subject to change without notice.

Selection chart 15 W version

| Version | Code no. |
|---------|----------|
| 230 V   | 1        |
| 115 V   | 2        |

07-3711-1200 / 099  
Complete order no.

Please insert correct code.  
Technical data subject to change without notice.