



### Control unit

#### Features

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

#### Description

The APEX 2003.MV control unit controls and monitors the purging and operating phases in small separate pressurised enclosures with a maximum internal volume of 70 litres.

The parameters are set by means of rotary switches and buttons. There is also the option of transferring the parameters through an RS 485 interface.

The control unit features two programmable relays and a non-floating enabling contact.

#### Explosion protection

##### Ex protection type

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

##### Certification

DMT 99 ATEX E 082

See [www.bartec.-group.com](http://www.bartec.-group.com) for more approvals and certification.

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

##### Purge gas connection

Ø 10 mm

##### Pressure sensors

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

##### Purging time

0 to 99 min; 5 sec. dropout delay

##### Weight

5.9 kg

##### Safety Level

SIL 2

#### Electrical data

##### Supply voltage

AC 230 V (AC 115 V) ±10 %

##### Power consumption

P<sub>v</sub> = 15 W/230 V

##### Make contact

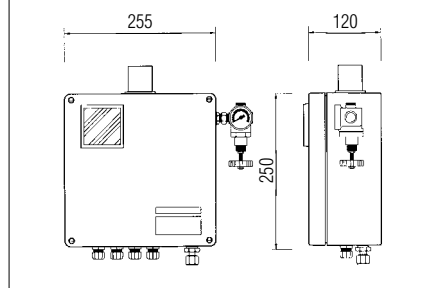
K 2/3, 5 A for cos φ = 1  
K 4 and K 5; voltage free

##### Temperature switching value (optional)

0 °C to +80 °C

##### Bypass key switch (optional)

#### Dimensions/mounting positions



#### Selection chart

Version	Code no.
230 V	1
115 V	2

➔ 07-3711-2213/  000

#### Complete order no.

Please enter code number.