



EEx p control unit standard version

Features

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

Description

The EEx p control unit APEX 2003.00 controls and monitors the purging and operating cycle of standard EEx p enclosures. Purging gas input is via a digital valve up to NW 7.7 (74 m³/h) or a proportional valve up to NW 2 (5 m³/h). The purge time is set at the control module via a turn switch, the setting of the pushbutton values is via pushbutton or RS 485 interface. The control unit provides four freely programmable relay outputs.

Technical data

Guidelines/norms/certifications

EMC guideline 89/336/EEC
 Low voltage directive 73/23/EEC
 Ex directive 94/9/EEC

Construction

EEx e protective enclosure with viewport lid

Enclosure material

glass-fibre reinforced polyester

Protection class

IP 65

Terminals

2.5 mm², fine stranded

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

4.3 kg

Electrical data

Supply voltage

AC 230 V (AC 115 V) ±10%

Power consumption

P_v = 8 W/230 V

Make contact

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

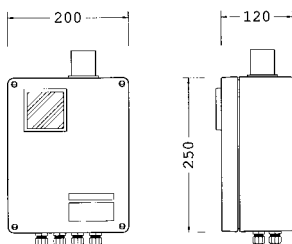
Communication

RS 485 Interface

Temperature switching value (optional)

0 °C to + 80 °C

Dimensions/mounting positions



Explosion protection

Ex protection type

Ex II 2(1)G EEx ed ib [ia p] IIC T4/T6 or
 EEx ed [ia p] IIC T6

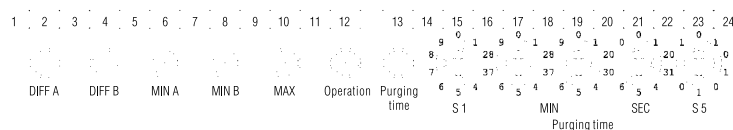
Certification

DMT 99 ATEX E082

Ambient temperature

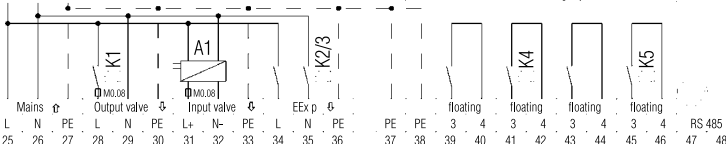
-20 °C to +40 °C

Wiring diagram/terminal assignment



BARTEC Control Module CM 0002

Type-07-7331-81.11/1100
 Mains: 230 V 48-62 Hz
 Contact circuit: 250 V / 5 A max.



Selection chart

Version	Code no.
230 V	1
115 V	2

07-3711-1214/ 001
 Complete order no.

Please enter code number.

Technical data subject to change without notice.