



- Four floating contacts
- Three-line LCD
- LED status indicator
- Modular design
- Safety-related control system

The APEX 2003.002x control unit controls and monitors the pre-purge and operating phase of pressurised enclosure housings. Digital or proportional purge gas valves can be used to input purge gas. The parameters are adjusted using rotary switches and keys. There is the option to transmit the parameters via an RS485 interface. The control unit features two programmable relays and one non-floating release contact.

**Explosion protection**

|  |  |
|--|--|
| ATEX marking   | Ⓔ II 2(1)G Ex db eb ib [ia Ga] [pxb] IIC T4 Gb |
| Certification  | DMT 99 ATEX E 082                              |
| IECEX marking  | Ex d e ib [ia Ga px] IIC T4 Gb                 |
| Certification  | IECEX BVS 13.0039                              |
| Other approvals and certificates, see www.bartec.com |  |
| Ambient temperature                                  | -20 °C to +40 °C                               |

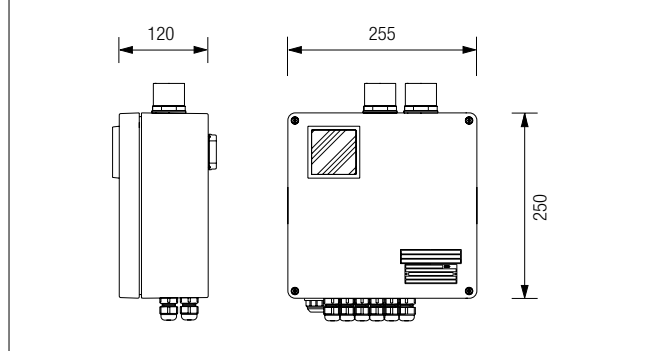
**Technical data**

|                        |  |
|------------------------|--|
| Directives             | Directive 2014/30/EU<br>Directive 2014/34/EU                               |
| Structure              | Ex e protective housing with viewing pane in the cover                     |
| Housing material       | Fibreglass-reinforced polyester  |
| IP rating              | IP 65  |
| Terminals              | 2.5 mm <sup>2</sup> , fine-wire  |
| Pressure sensors       | MIN. A/B = 0 to 25 mbar<br>MAX. = 0 to 25 mbar<br>DIFF. A/B = 0 to 25 mbar |
| Pre-purge time         | 0 to 99 min; 5 sec dropout delay   |
| Weight                 | 7.5 kg   |
| Safety integrity level | SIL 2  |

**Electrical data**

|                                     |  |
|-------------------------------------|--|
| Supply voltage                      | 230 V AC (115 V AC) ±10 % 24 V DC ±10 %            |
| Power consumption                   | P <sub>v</sub> = 15 W/230 V                        |
| Normally open contacts              | K 2/3, 5 A when cos φ = 1<br>K 4 and K 5; floating |
| Temperature switch value (optional) | 0 °C to +80 °C                                     |
| Bypass key switch (optional)        |  |

**Dimensions**



**Ordering information**

|             |          | Code no. |
|-------------|----------|----------|
| 9 W version | 230 V AC | 1        |
|             | 115 V AC | 2        |
|             | 24 V DC  | 4        |

Complete oder no. 07-3711-1216/  017  
Please insert code number.

**Ordering information**

|              |          | Code no. |
|--------------|----------|----------|
| 15 W version | 230 V AC | 1        |
|              | 115 V AC | 2        |

Complete oder no. 07-3711-1216/  107  
Please insert code number.

Technical data subject to change without notice.