CONTROL UNIT CU-P03-02D-S

Technical datasheet

APPLICATION

The control unit type P03-02D-S has been specially developed to be used in combination with the Raptor X system intended for explosion suppression and/or explosion isolation.

BENEFITS

- Equipped with integrated emergency power supply
- Simple and fast wall mounting
- Cable break detection
- Short circuit protection
- Integrated potential-free outgoing contacts
- Clear system status via LED indication
- Quick restart after activation via reset button
- For both indoor and outdoor use
- Suitable for use in ATEX environment (zone 21 and 22)



OPERATION

The control unit P03-02D-S can be supplied in combination with the Raptor X system as:

- Explosion isolation system in accordance with EN15089:2009
- Explosion suppression system in accordance with EN14373:2021

The control unit P03-02D-S is applied when the extinguishers and detectors together form one single zone, and status indication and reset from the front panel is preferred.

OPTIONS

- JB-04D Junction Box incl. glands 2xM25 + 6xm16 - max. 6 bottles/detectors marking: Ex II 2D Ex tb IIIC T85°C Db
- JB-01DW Junction Box incl. glands 2xM25 + 10xM16 - max. 10 bottles/detectors marking: Ex II 2D Ex IIIC T85°C Db

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GENERAL CHARACTERISTICS

Power supply	100 - 240 VAC +10% / -15% 50-60 Hz, auto ranging
Power consumption	50W max
Current limit	6A max
Integrated emergency power	Yes, minimum 4 hrs
Protection class	IP65
Surrounding temperature	from -10°C up to +50°C
Humidity	95% at 20°C, non-condensing
Weight	15 kg
Dimensions (h, w, d)	400 x 400 x 200 mm
Suitable for wall mounting	Yes
Installation in ATEX zone	Zone 22
Protection (fuse rating)	10A max
ATEX marking	CE 0344 Ex II 2D Ex tb IIIC T135°C Db
Cable entries	5 × M20 stainless steel cable glands + 3 × plugs
Outgoing contacts	2 x (potential-free)
Type of potential-free contacts	True high / fail safe
Max. current (potential-free contact)	6A at 24 VDC
Max. of connectable RP type detectors	2(*)
Max. directly connectable bottles	1(**)
Internal temperature monitoring	Yes, internally via ZCN zone card
Max. number of zone modules (ZCN)	1
Audio signalling	90 dB buzzer
Ground monitor	Yes
Wire break	Yes
Short-circuit protection	Yes

* = via Junction box (type JB) expandable up to max. 4 (RP type) detectors
** = via Junction box (type JB) expandable up to max. 16 bottles

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