

Optical compact flame monitor D-LX 101, D-LX 701

Easy, versatile and flexible compact flame monitor with integrated UV or IR flame sensor

- For monitoring gas, oil and coal flames
- Particularly for applications with single burner view
- Combustion processes in continuous operation



FEATURES

- Wide temperature range: -20 °C to 60 °C (EX -40 °C ... +85 °C)
- Can be used without additional accessories
- Two-channel control unit for optimum safety combined with high availability
- Flame ON/OFF contact for the flame signal (normally open)
- D-LX 110 and D-LX 710: Variants for direct view or for combination with fiber optic systems
- Easy replacement of wear parts

TECHNICAL DATA

Spectral sensitivity	UV, IR
Operating mode	Intermittent operation and continuous operation
Switching threshold	Flame intensity
Local display	LEDs – always visible at a glance for all versions
Flame failure detection time (FFDT)	1, 2, 3, 4, 5 s
Flame ON/OFF contact	1x NO contact
Ready for operation contact	1x NO contact
Switching capacity of relay contacts	Maximum 24 V _{AC} , 0.5 A
Analogue output	0/4 ... 20 mA
Opening angle	6°

BENEFITS

- Easy access to the available settings reduces the time required for commissioning
- Choice of available detectors allows monitoring of the most common fuels
- If the requirements for the plant change (Ex zones, need for fiber optic systems), exchange within the same device family is usually possible

Electrical data	24 V _{AC} , 7 W, PELV
Ambient conditions	-20 ... +60 °C / EX -40 ... +85 °C
Degree of protection	IP65
Connections	Sight tube: G 1¼" or NPT 1¼", F Purge air: G ½" or NPT ½", F
Dimensions	<ul style="list-style-type: none"> • Housing P2: 80 x 80 x 250 mm • Housing M5: 80 x 80 x 260 mm • Housing M4: Ø 120 mm, length approx. 310 mm
Weight	Housing (without cable): <ul style="list-style-type: none"> • P2 approx. 1,2 kg • M5 approx. 1,3 kg • M4 approx. 3,2 kg
Explosion protection	D-LX 101/701 ../84Ex II 2G Ex db IIC T6 or T5 Gb II 2D Ex tb IIIC T85 °C or T100 °C Db
Detectors	IG, UA, UAF