

Compact Flame Controller IFC 50 EX

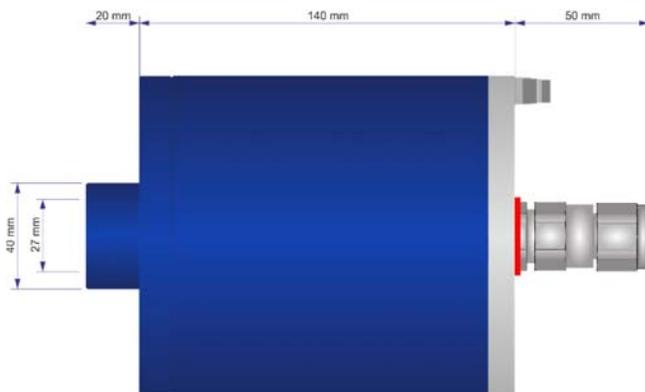


The IFC 50 EX is a compact UV flame detector, which is specially designed for severe conditions often experienced in industrial applications for single flame combustion. The IFC 50 EX can be connected directly to the ionisation or LDR input of the control box. The UV sensor ensures that the flame detector does not react to background radiation from hot refractory or from any other infrared light source. The Flame detector has to be disconnected started up once in a day. For safety reasons and technical regulations a controlled burner shut down at least once per 24 hours must be guaranteed. The flame detector IFC 50 EX was developed to meet the requirements of UL 372-2, CSA C22.2 and EN 298:2012. The internal 15 % increase of the UV tube voltage during the start-up phase ensures the safety requirement for the examination of the UV tube to through-ignition. The flame detector IFC 50 EX has to be switched off for more than 5 seconds before burner operation can be started again.

Technical Data:

Operating mode	non-continuous
Spectral sensitivity	185 up to 265 nm
Orientation	axial
Supply voltage	230 V AC (optional 120 V AC)
Power consumption	max. 18 mA
Operating temperature	-20 up to +60 °C
Electrically connection	3 m fixed connection cable
Kind of protection	IP 65
Protection class	II 2G Ex d IIC T6 Gb II 2D Ex tb IIIC T80°C Db
ATEX	Zone 1
Operating position	any position
Flame ON reaction time	0.5 s (typically)
Switching output	potential free, galvanically isolated, 1xNO + 1xNC (1A/250VA/250V)
Weight	approx. 3.1 kg

Dimensions:



Approvals:

CE0085CN0133
EPS 14 ATEX 1 696



Part-Number.:

IFC 50 / 230 EX

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