

# HIGH ENERGY IGNITION AND FLAME DETECTION

## 225-HEF-IFD





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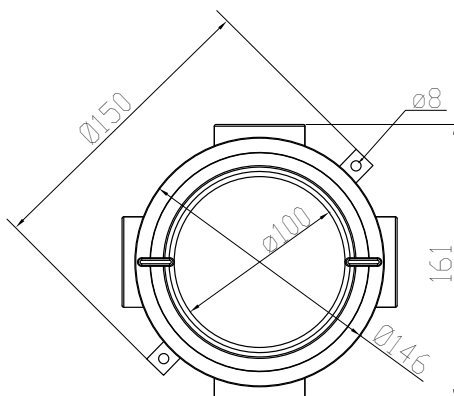
## 225-HEF-IFD

### KEY FEATURES

- High energy ignition and detection module
- Small dimensions
- Degree of protection: IP66
- Power discharge: 4J
- Output volt.: 1kV impulsive capacity discharge
- Discharge frequency: fixed (approx. 1 p.p.s.)
- Coloured LED bar graph 10 segment for flame strength indication
- Power supply: 120VAC or 230VAC - 50Hz/60Hz
- Ex execution:
  -  II 2GD Ex db IIC T6 ... T4 Gb or
  -  II 2GD Ex tb IIIC T85°C ... T135°C Gb
- 2 NO contacts for flame status (flame on/off)
- Flame Failure Response Time (FFRT) EN 298:2012
  - 0 second (suggested for gas burners)
  - 3 seconds (suggested for oil burners)

### MECHANICAL FEATURES

- Operating temp. range: -50°C to +85°C
- Dimensions: 182x161x146 mm
- Unit weight: 6,6 kg
- Enclosure material: Aluminium or SS316L



### ELECTRICAL FEATURES

- Nominal operating voltage: 1000V
- Consumption: less than 300mA
- Power loss: 5W

### APPLY TO

- Flares
- Boilers
- Burners

### CERTIFICATION

- ATEX certificate FTZÚ 15 ATEX 0182X
- IECEx certificate FTZÚ 15.0035X
- TRCU certificate AA87.B.00762/21
- INMETRO certificate DNV 20.0152X
- CE marking

### MANUFACTURER

Combustion and Energy Srl

Part number:

- 225-HEF-IFD-AL
- 225-HEF-IFD-SS

