FP87 Series ATEX Certified IIC Flameproof Equipment

TRADE MARK

ELCONTROL LIMITED

Certified ⬡Ex **II 2 G   Ex db IIC GbT** (-20°C ≤ Ta ≤ **°C)**

(** equipment 'T' rating and T_{amb} ranges vary according to the variant chosen, see page 2)

Trip Amplifier or Igniter
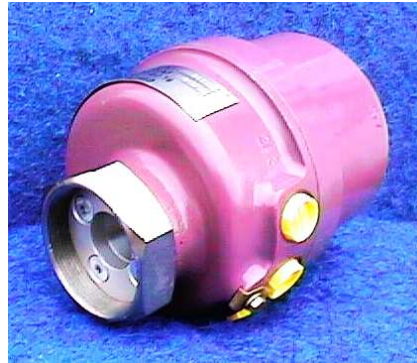
UV Flame Scanner
This equipment offers a complete integrated range of UV flame scanner, trip amplifier and ignition units

FP87 ATEX Enclosure Details

Features:

♦ Compliance with EN 60079-0: 2012 +A11 2013, EN60079-1: 2014

♦ Certificate nos.   Baseefa02ATEX0032X (Scanners),

   Baseefa02ATEX0033   (Trip Amplifiers)

   Baseefa02ATEX0034X (Ignition Units)

♦ Compact screw-on lid design for confined installation

♦ Optional painted or plated finishes to customer requirements

♦ Available in: Aluminium (LM25),

♦ Up to three 20 mm gland entries may be fitted.

♦ Mounting arrangements to customer requirements

Applications:

♦ Suitable for use in potentially hazardous atmospheres above ground, with gases up to IIC specified, including: Hydrogen, Acetylene, Carbon Disulphide, Ethyl Nitrate

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FP87 Scanner

Features:

- Compatible with most Elcontrol trip amplifiers
  (NB. a version with an integral trip amplifier is also available).
- Can be fitted with a range of sensor types including UV, IR and visible light, or a combination of these - contact sales for details.
- Synthetic Quartz lens or window may be fitted to suit the application.
- Standard mounting is via a 2½" BSP nut - other mountings available on request.
- Certified: ⟨Ex⟩ **II 2 G   Ex db IIC T6 Gb Ta -20°C to 60°C**

FP87 Trip Amplifier

Features:

- Can be fitted with up to two trip amplifier modules covering a range of functions.
- Compatible with the FP87 Scanner.
- An intrinsically safe variant is also available.
- Standard mounting via Elcontrol mounting plate - other mountings available on request.
- Certified: ⟨Ex⟩ **II 2 G   Ex db IIC T6 Gb Ta -20°C to 60°C)**   (Standard version)

  Certified: ⟨Ex⟩ **II 2 G   Ex db IIC T6 Gb Ta -20°C to 50°C)**   (I.S. Version)

FP87 Ignition Unit

Features:

- DC or AC supply voltage versions available.
- Matching flameproof ignition cable assemblies can be supplied to customer requirements.
- Standard mounting via Elcontrol mounting plate - other mountings available on request.
- Certified: ⟨Ex⟩ **II 2 G   Ex db IIC T5 Gb Ta -20°C to 60°C**

Outline Dimensions and Mounting Details (Trip Amp & Ignition variants):

188mm   12mm

165mm

Fixing Centres
130mm

Mounting Holes
12.5mm Diameter

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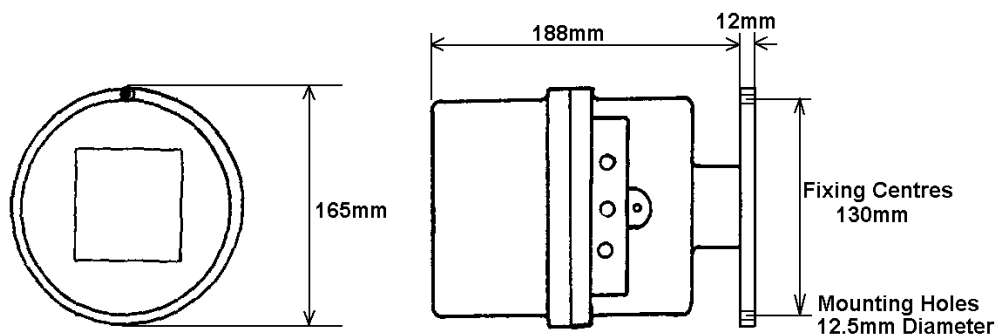
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