R.K. Instruments & Controls

TECHNICAL DATASHEET

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Brahma UV1 Flame Sensor

Brand: Brahma | Code/Part No.: 18210060 | Category: UV FLAME SENSOR

Specifications

Type	**UV1**
Product Code	**18210060**
Detection Principle	**UV Phototube**
Sensitivity Range	**190 – 290 nm (ultraviolet)**
Operating Temperature	**–20°C to 50°C**
Nominal Lifetime	**10,000 hours**
Cable Length	**655 mm (standard)**
Diameter	**ø 22 mm**
Mounting	**Integral nut for 1/2" sighting pipe**
Application	**Gas and mixed-fuel (gas + oil) burners**



Description

The Brahma UV1 is a UV phototube flame sensor that detects the ultraviolet light (190–290 nm) emitted by a burning flame and generates an ionization-based electrical signal used by ignition and burner control devices, such as a flame relay module, to confirm flame presence. Housed in a compact ø22mm nylon body with a 655mm integral cable and a mounting nut for a 1/2" sighting pipe, it is rated for -20°C to 50°C ambient operation with a nominal service life of 10,000 hours before the phototube should be replaced. Manufactured by Brahma, Italy, it is suited to gas and mixed-fuel (gas and oil) burner flame supervision, and pairs with flame relay control units such as the Brahma RE3.

Typical media compatibility: CNG, PNG, LPG, Air, Nitrogen — confirm against application before installation.