R.K. Instruments & Controls

TECHNICAL DATASHEET

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Honeywell UV Flame Sensor C7027A1023

Brand: Honeywell Technologies | Code/Part No.: C7027A1023 | Category: UV FLAME SENSOR

Specifications

Type	**C7027A1023**
Sensor Type	**Self-checking UV Flame Sensor (Minipeeper)**
Operating Conditions	**-18°C to 102°C**
Lead Length	**2.44 m (8 ft), 18 AWG, NEC Class 1**
Mounting	**Collar, 1/2-14 NPSM internal threads, for 1/2" sight pipe**
Electrical Connection	**Clamp-type, for 1/2" flexible metallic conduit**
Max. Pressure Rating	**5 psi (34.5 kPa)**
Approvals	**UL Listed (MP268), CSA Certified, FM Approved**
Manufacturer	**Honeywell**



Description

The Honeywell C7027A1023 is a self-checking Minipeeper® ultraviolet (UV) flame sensor used in burner management and flame safeguard systems to detect the UV radiation emitted by gas or oil flames. It mounts via a 1/2-14 NPSM threaded collar onto a 1/2" sight pipe, has a clamp-type connector for 1/2" flexible metallic conduit, and connects via a 2.44 m (8 ft) pair of flying leads to the flame safeguard control or amplifier. Rated for an operating temperature range of -18°C to 102°C and a maximum pressure of 5 psi. UL Listed, CSA Certified and FM Approved. Manufactured by Honeywell, it is a common replacement sensor for Honeywell burner flame monitoring and safety-shutdown systems.

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