R.K. Instruments & Controls

TECHNICAL DATASHEET

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Siemens Photoresistive Flame Detector QRB1A-A070B70A

Brand: Siemens | Code/Part No.: QRB1A-A070B70A | Category: PHOTOCELL

Specifications

Type	**QRB1A-A070B70A**
Detection Principle	**Photoresistive (cadmium sulfide cell)**
Spectral Sensitivity	**Peak ~600nm, visible light range**
Cable	**2 × 0.75mm² stranded copper, PVC-sheathed, 70cm visible length,**
Operating Temperature	**-20°C to +60°C**
Protection Degree	**IP40**
Mounting	**Small (21mm) or large (36mm) flange with clamp, or lateral groove plug**
Application	**Oil flame supervision (yellow-burning), intermittent operation**
Compatible Controls	**LAL, LME7, LMO, LMV, LOA burner controllers**



Description

The Siemens QRB1A-A070B70A is a photoresistive flame detector used with Siemens burner controls for supervising yellow-burning oil flames in the visible light spectrum, tuned to a peak spectral sensitivity around 600nm. It carries a 70cm two-core stranded-copper cable with 70mm stripped ends for direct wiring, and mounts via a small or large flange with clamp, or a lateral groove plug, keeping installation flexible across burner types. Rated IP40 and built for -20°C to +60°C operation, it is used in intermittent-operation oil burner applications alongside control units such as the LAL, LME7, LMO, LMV and LOA series. It is an OEM-grade sensor built by Siemens for integration into burner and boiler flame-safety systems.

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