R.K. Instruments & Controls

TECHNICAL DATASHEET

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Siemens Photoresistive Flame Detector QRB4A-B070B70A

Brand: Siemens | Code/Part No.: QRB4A-B070B70A | Category: PHOTOCELL

Specifications

Type	**QRB4A-B070B70A**
Detection Principle	**Photoresistive (cadmium sulfide cell)**
Spectral Sensitivity	**Peak ~600nm, visible light range**
Casing Length	**68mm, black casing**
Cable	**70cm visible length, 70mm stripped ends (ferrule-ready)**
Mounting Accessories	**AGK42 flange + AGK43 clamp**
Sensitivity Setting	**Normal**
Application	**Oil flame supervision (yellow-burning), intermittent operation**
Compatible Controls	**LAL, LME7, LMO, LMV, LOA burner controllers**



Description

The Siemens QRB4A-B070B70A 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. Housed in a compact 68mm black casing with a 70cm cable and 70mm stripped, ferrule-ready ends, it mounts using the AGK42 flange and AGK43 clamp for a secure fit on the burner body. It is primarily 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.