R.K. Instruments & Controls

TECHNICAL DATASHEET

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Siemens Photoresistive Flame Detector QRB3(1)

Brand: Siemens | Code/Part No.: BPZ:QRB3(1) | Category: PHOTOCELL

Specifications

Type	**QRB3(1)**
Part No.	**8603112100**
Detection Principle	**Photoresistive (cadmium sulfide cell)**
Spectral Sensitivity	**Peak ~600nm, visible light range**
Sensitivity	**Standard**
Mounting	**Flange with clamp, protective tube**
Application	**Oil flame supervision, intermittent operation**
Compatible Controls	**LAL, LME7, LMO, LMV, LOA burner controllers**



Description

The Siemens QRB3(1) 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 rugged protective tube with a flange-and-clamp mount for easy fitting to 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.