

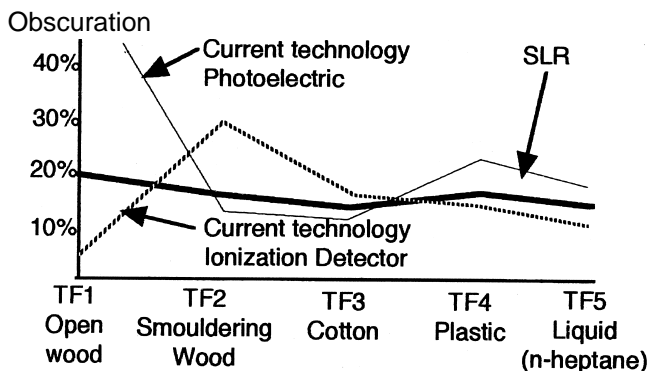


SLR-AS

PHOTOELECTRIC SMOKE DETECTOR

New design, New technology plus improved electronics means better protection.

The new SLR series of Photoelectric Smoke Detector has been designed with a unique "FLAT RESPONSE TECHNOLOGY", enabling the detector to be equally sensitive to a much wider range of combustibles. The graph shows the response of the SLR Photoelectric Smoke Detector to Proposed ISO test fires, when compared with current technology detectors. The overall flat response of the SLR Photoelectric Smoke Detector eliminates the need to use Ionization Detectors in the majority of applications. This makes system design easier and overcomes the cleaning and disposal problems associated with Ionisation Detectors.



The new SLR Detector incorporated with the FLAT RESPONSE TECHNOLOGY has also enabled the detector threshold level to be increased, thereby improving the signal to noise ratio and reducing susceptibility to false alarms. This revolutionary design has been achieved without the need for adding costly heat elements and is part of the standard product range.

Installation & Maintenance

Each detector has been designed with a one piece outer cover which gives an aesthetically pleasing modern low profile shape. Twin fire alarm LEDs give 360° viewing; the light from the LEDs is transmitted via unique light guides which is achieved by the LEDs being sealed on the PCB for increased protection and reliability. A common mounting base allows easy detector interchange. A simple anti tamper locking mechanism is provided which is enabled by removing a small plastic lug on the head and can only be removed using a special head removal tool.

AUSTRALIAN DISTRIBUTORS

FIRE & SAFETY PRODUCTS (A/ASIA) PTY. LTD.

A.C.N. 007 954 832 (Inc. in South Australia)

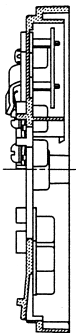
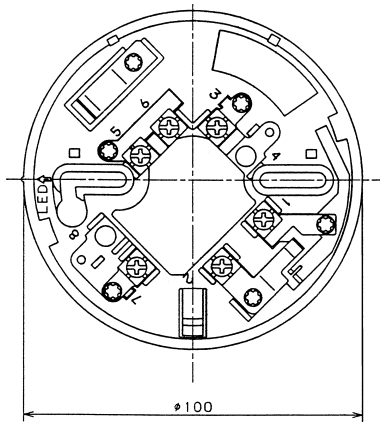
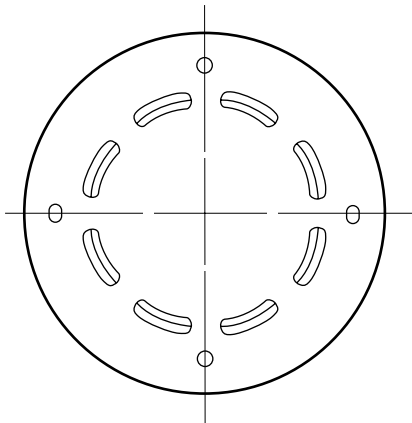
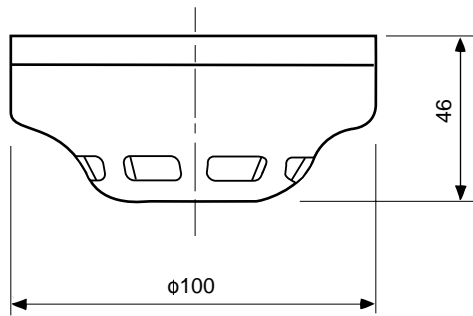
85 ORSMOND STREET
 PO BOX 131
 HINDMARSH SA 5007
 PHONE: (08) 8346 5061
 FAX: (08) 8340 0099



Quality Endorsed Company
 AS N2 ISO 9002
 Lic No. QEC 1411

A member of the WILLIAMS GROUP OF COMPANIES

SPECIALIST DISTRIBUTORS OF FIRE DETECTION & SPRINKLER PRODUCTS

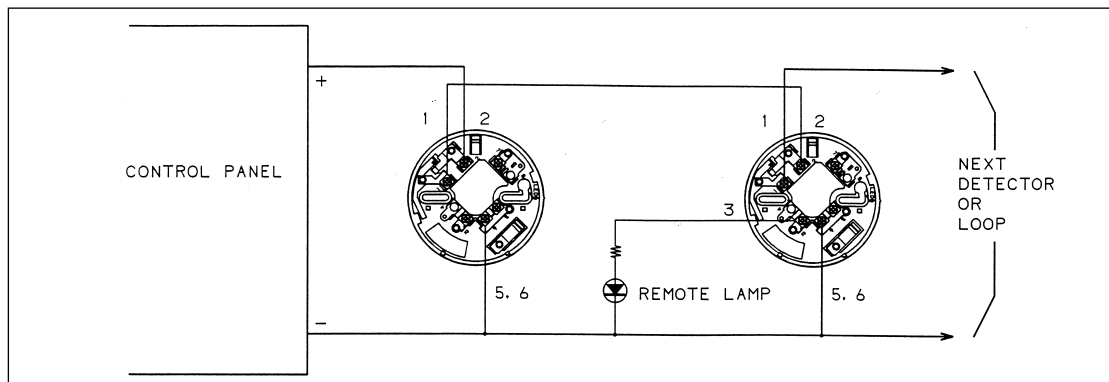


SPECIFICATION

Line voltage to detector:	
Rated voltage	:DC24.0V
Working voltage	:DC15.0~30.0V
Allowable Maximum Voltage	:DC42.0V
Current at Quiescent state:	
Supervisory current	:35.0 μ A at 24V
	:31.0 μ A at 15V
	:38.0 μ A at 30V
	:160 μ A at 24V
Surge current	
Alarm state:	
Maximum voltage	:17.6V at 80mA
Minimum voltage	:8.47V at 24mA
Maximum current	:80mA Max.
Minimum current	:24mA
Ambient temperature	:-10 ~ +50°C
Mounting holes	:48 ~ 74mm in pitch
Weight	:150g with the base
Colour	:White
Nominal sensitivity:	
SLR-AS	:10%0bs/m
SSL Listing Number:	
SLR-AS	afp:1115

OPERATION

The detection chamber consists of an LED and photodiode arrangement. The chamber is designed so that light emitted by the LED cannot normally reach the photo-diode. When smoke particles enter the chamber the light scattered and some of this light falls on the photo-diode. This is converted into an electronic signal, filtered and then used to trigger the internal latching circuit. The chamber utilizes a unique baffle design which allows smoke to enter the chamber while keeping out ambient light.



Maximum Current at "R"
Terminal (for Remote LED) : 30mA