

KP-303 HEAT DETECTOR

Introduction

The Kawapi KP-303 Heat Detector offered Rate-of-Rise or Combination Rate-of-Rise & Fixed Temperature features. This detector available in 135°F(57°C) or 194°F(90°F) & in compliant with UL-521 & EN54-5:2000 & carry the CE Mark.



Operation of Elements

Rate-of-Rise

A temperature increase at the detector of 15°F or more per minute activates the rate-of-rise feature. This closes contacts in the detector to fire the latching circuit which turns on the detector's LED and transmits the alarm condition to the fire alarm control panel. The rate-of-rise feature is self-restoring. After it has restored, operation of the control panel reset switch will turn off the LED and reset the system.

Fixed Temperature

If the temperature of the center disk rises to the detector's rated temperature (135°F or 194°F) the fixed temperature element activates. This closes contacts in the detector to fire the latching circuit which turns on the detector's LED and transmits the alarm condition to the fire alarm control panel. The fixed temperature element is non restorable and, when activated, the detector must be replaced. After replacing the detector, the control panel reset switch may be operated to reset the system.

Features

- Visible LED Indication
- Individual or Combination, Fixed Temperature & Rate of Rise with 135°F or 194°F
- Optional wiring output for Remote LED

Electrical Specifications

Voltage/Contact Ratings

6~125VAC / 3A	125 VDC / 0.3A
6~28VDC / 1A	250 VDC / 0.1A

Input Wire Gauge

14~22 AWG

Caution:

To prevent activation of the fixed temperature element the shipping & storage temperature must not exceed 122°F (50°C)



Approved by:
Malaysia Fire & Rescue Department

Termination Instruction

- 1 Positive In (+)
- 2 Positive Out (+)
- 3 Negative In (-)
- 4 Negative Out (-)
- 5 Remote LED (On request)

- Easy to use terminal screw.
- A broad range of back box mounting option.
- Low profile design
- Fault monitoring contact

Physical/Operating Specifications

Dimension	Dia.101mm x (H)43mm
Standby Current	NIL
Operating Current	<2mA
Operating Humidity	5 to 95%RH non-condensing
Colour	White
Weight	118gm

Optional Features

- Remote LED Output
- Non Indicating version

Distributed by



VIC ENGINEERING SDN. BHD.

(Co. No. 210158-P)

No. 2 & 4 Jalan Jenaris 2B, Desa Sri Jenaris, 43000 Kajang
Selangor Darul Ehsan, West Malaysia.

Tel : (6) 03-8739 9043 (Hunting Line) Fax : (6) 03-8739 8043

E-Mail : vic_sb@streamyx.com Website : www.vic.com.my



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