horizon

features

- **Low profile design**

- **Low current draw**

- **78°C activation temperature**

- **Remote alarm test feature**

- **Easy maintenance**

- **Remote LED option**

- **Designed to comply with EN54 Pt.5:2000**

- **Extended warranty**

The HRZ-1004T high temperature heat detector is one of the Horizon range of conventional detectors.

These detectors have been produced using the latest in manufacturing technology and supplied with an array of advanced features, making them "better by design".

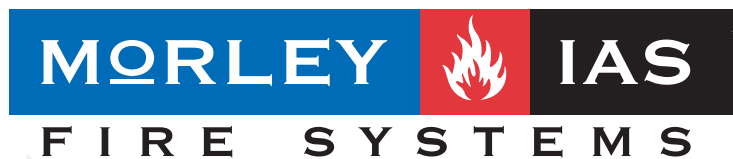The HRZ-1004T detector uses a state of the art class BS thermal element combined with a microprocessor, running sophisticated algorithms to provide quick and accurate detection of fires. The detection incorporates a static element and is suitable where ambient conditions normally enhibit rapid changes in temperature, eg kitchens.

A laser-based hand held Remote Test Unit can be used in conjunction with the range of Horizon detectors for alarm test purposes. The unit transmits a coded message, preventing spurious alarms being generated by other laser based devices. With a range of several metres, the hand held test unit provides an effortless way of remotely testing the Horizon range of detectors and removes the need for any direct physical access to the detector by the user.

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A Honeywell Company

HRZ-1004T

conventional high temperature
(78°C) thermal detector

Data Sheet

The HRZ-1004T detector also has an integral LED, which illuminates to provide a local alarm signal. This latches on, and remains illuminated until the detector is reset by a momentary power interruption. An optional remote LED annunciator may be used to repeat any alarm signal.

The detector base is fitted with a shorting spring to permit circuit testing prior to fitting the detector and has a tamper resistant feature, which when activated prevents removal of the detector without the use of a tool. All detectors are covered by our extended 3-year warranty.

electrical

Operating Voltage Range	14–28 VDC (Nominal 24VDC)
Typical Standby Current	55µA @ 24VDC
Maximum Permissible Alarm Current	80mA (current limited by control panel)

environmental

Operating Temperature Range (see note 1)	–30°C to +70°C
Storage Temperature Range	–40°C to +85°C
Humidity	5 to 95% Relative Humidity (non-condensing)

mechanical

Height (without Base)	40.5mm
Diameter	102mm
Weight	70g (+45g for standard base)
Max Wire Gauge for Terminals	1.5mm^2
Colour	Approximates to RAL9016
Material	ABS

product range

Bases

HRZ-1000BSD Standard Base
with schottky diode

accessories and other detectors

2020LT Remote Test Unit

HRZ-1002 Photoelectric/Thermal Detector

HRZ-1003 Photoelectric Detector

HRZ-1005 Rate of Rise & Fixed Temperature Thermal Detector

HRZ-1005T Fixed Temperature Thermal

Note: (1) To avoid unwanted alarm conditions being triggered by class BS detectors the maximum ambient operating temperature should not exceed 65°C.

local distributor