

# 100 Series Plug-In Thermal Detectors



## Models Available

5151  
Plug-In Thermal Detectors

## Description

The 5151 thermal detector meets the needs For applications where rapid response is vital and rapid temperature increases would only be caused by a fire emergency.

The detector initiates an alarm in response to both rapid Rate-of-rise conditions (increases in excess of 15°F per minute) and fixed heat (135°F). This enables the heat Detector to communicate an alarm to the central control panel prior to reaching its fixed set point for high rates of Rise, providing a timely response to both rapid and slow temperature increases.

Additional key features include a recessed mounting option, and a full line of optional accessories.

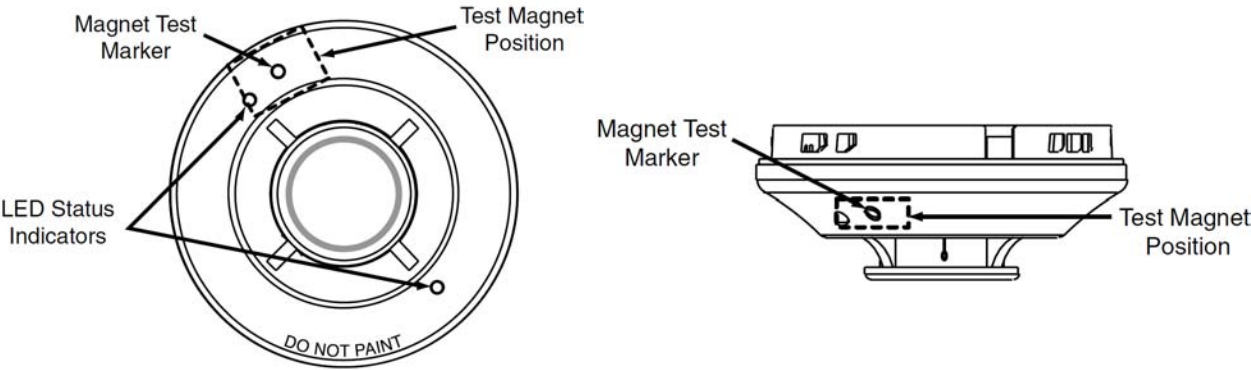
## Specifications

Operating Voltage/Alarm Current:	Mounting base dependent (see Mounting Base Selection Guide below)
Standby Current:	80A @24VDC
Operating Voltage:	8.5 to 35VDC
Size:	1.64"(42 mm)H; 4.0"(102 mm)Dia;
Weight:	2.8 oz. (80g)
Alarm Point:	135°F (57°C) Fixed or 15°F(8.3 °C) /min rate-of-rise
Operating Temperature Range:	32°F (0°C) to 100°F (38°C)
Humidity Range:	10% – 93 % RH non-condensing
Thermal Detector Spacing:	On smooth ceilings (as defined in NFPA 72), spacing of 50 feet (2500 sq ft) may Be used. Other spacing may be used depending on ceiling height, high air movements, and other conditions or response requirements.

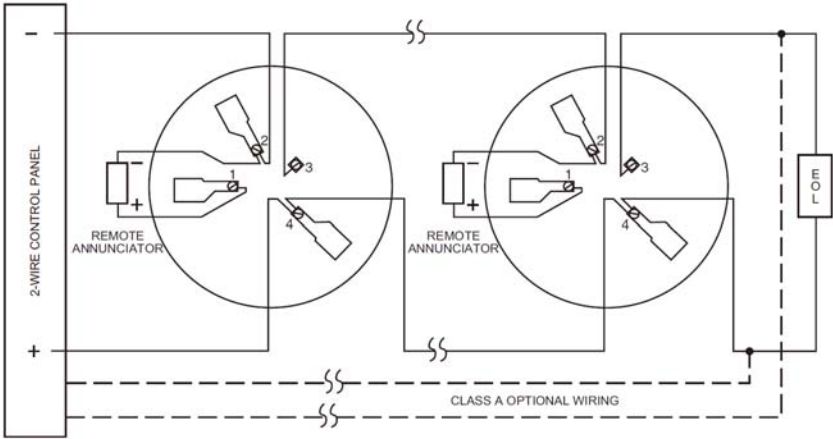
## Agency Listings



BOTTOM AND SIDE VIEWS



Wiring Diagram



Ordering information

Detector	Product Description	Photo	Thermal	Wiring	Alarm Current	UL	FM
5151	Fixed heat detector	No	Yes	2-Wire	10mA~130mA	Yes	Yes
B401	Detector Base	NA	NA	NA	NA	Yes	Yes
Accessories	Product Description						
RA100Z	Remote annunciator for 2 or 4 wire systems, 3 - 32V. Use with ion and photo plug-in detectors. Fits standard U.S. Single-gang electrical box.						
EOLR-1	End of line relay for power supervision, 12/24VDC, 4-wire only.						
M02-04-01	Test magnet.						
M02-09-00	Test magnet with 32" telescoping handle.						
XR2B	Detector removal tool. Allows installation and / or removal of detector heads from base in high-ceiling installations.						
XP-4	Extension pole for XR-2B. Comes in three 5 ft. sections.						



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