

# Heat Detector

## HD912 Series



### Conventional Heat Detector

All of the Sentek's HD912 series detectors meet the requirements of UL521 and EN 54-5 for use in fire alarm signaling systems, which provide fast and reliable response for heat 57°C (135°F) or Rate-of-Rise detection, They are intended for use in 2-wire/4-wire Class A2 supervised zone circuits. The HD912 series detectors are subject to panel compatibility limits and compliance with corresponding NFPA 72E standards, local codes, and ordinances.

### Product Features:

- 2 or 4 wire models
- Advanced detection and discrimination algorithms
- Easy installation and maintenance
- Sleek low-profile housing design
- Durable sensor head, no need for replacement
- SMD circuit board design-satisfactory quality and reliability guaranteed
- N/C (normal/close)-N/O (normal/open)selectable relay output
- AR (Auto Reset) function for security systems (optional for 4 wire models) Sensor base option: standard and Shottky Diode
- Five-year limited warranty

### The range includes:

HD912-2	2 wire heat alarm
HD912-2L	2 wire heat alarm with remote LED output
HD912-4	4 wire heat alarm (12/24VDC)
HD912-4B	4 wire heat alarm with buzzer (12/24VDC)
HD912-4AR	4 wire heat alarm with auto-reset function (12/24VDC)
HD912-4ARB	4 wire heat alarm with auto-reset function and buzzer (12/24VDC)

### Product Specification:

Model	2/4 wire	Voltage DC (Min./Max.)	Standby Current (Max.)	Alarm Current (12/24V)	Surge Current (Max.)	Start-Up Time (Max.)	Permissible Current (Max.)	Cycle Time	Alarm contact	Certified	Base Model No.
HD912-2	2	10~33V	45µA	50mA	100µA	30 Seconds	80mA	1-3 Seconds	—	UL/EN	P/N852001
HD912-2L	2	10~33V	45µA	50mA	100µA	30 Seconds	80mA	1-3 Seconds	—	UL/EN	P/N854001
HD912-4-12/24	4	12/24V	45µA	30mA	100µA	30 Seconds	—	1- 3Seconds	Form A	UL/EN	P/N854001
HD912-4AR-12/24	4	12/24V	45µA	30mA	100µA	30 Seconds	—	1-3 Seconds	Form A Auto Reset	CE	P/N854001
HD912-4ARB-12/24	4	12/24V	45µA	30mA	100µA	30 Seconds	—	1-3 Seconds	Form A Auto Reset	CE	P/N854001
HD912-4B-12/24	4	12/24V	45µA	30mA	100µA	30 Seconds	—	1- 3Seconds	Form A	CE	P/N854001

### Product Data:

Response Temperature:	Fixed temperature: 57°C (135°F) or Rate-of-Rise
Ceiling Spacing:	40-50 foot rating for heat sensor
Reset Voltage:	less than 1 volt
Alarm Indicator:	LED continuously emitting red light
Remote Output:	25 mA max., diode gate
Temperature Range:	-10°C to 50°C
Permissible Current:	80mA maximum
Humidity:	0 to 95% RH, no condensation or icing
Alarm Contact:	(for 4-wire) NO or NC Operation, Form A: 1.0A@30VDC/0.5A@125VAC
Dimensions:	100mm (dia) x 46mm (ht) with base
Weight:	120g/set with base