



ClareOne Smoke Detector

CLR-C1-SMK

Environmental Detection



The ClareOne Smoke Detector is designed to quickly recognize problem smoke while decreasing false alerts from everyday cooking events. When the Smoke Detector's photoelectric (optical) sensor detects the presence of smoke, it sounds the alarm and then wirelessly transmits the information to the ClareOne Panel to further signal an alert. Meeting new UL standards (UL-268 and ULC-268), this Smoke Detector also employs a thermistor sensor to alert in instances of rapid heat rise.

Specifications

Compatible panel	ClareOne (CLR-C1-PNL1)
Transmitter frequency	433 MHz
Encrypted	Yes
Transmitted indications	Tamper and low battery
Supervisory keep-alive	60-70 minutes
Alarm type	Multi-criteria
Test/hush button	Checks horn circuit, silences alarm for 10 minutes
Audible alarm	>85 dB at 3 meters
Current drain	Typical 9µA standby
Temperature detection	135° F rate of rise ± 4°F
Heat rate of rise detection	15° F per minute when over 104°F
LED indicators	RED: power up, button test, in alarm, in hush, memory YELLOW: power up, low battery, sensor fault, end of life
Battery type	(2x) CR123A
Battery life	Should be changed annually (extreme temps will affect battery life)
Expected life span	Up to 10 years
Operating temperature	40° F to 100° F (4.5° C to 38° C)
Humidity range	15% to 95% RH non-condensing
Dimensions	4.53 x 2.17 in (115 x 55 mm)
Certifications	FCC: 15.109 Class B 15.231, Industry Canada: ICES-003, RSS-210, conforms to UL-217, ULC-S531

Performance Highlights:

- Features a self-contained sounder
- Heat rate of rise and heat threshold detection
- Conforms to UL217 8th Edition to reduce common nuisance alarms from cooking smoke
- Communicates the presence of smoke to the ClareOne panel
- Supervised transmitter and status LED
- Encrypted technology prevents detector takeovers
- Pairs easily and quickly with the ClareOne panel

By making home technology simple, Clare provides exclusive benefits to integrators, builders, and homeowners. We offer innovative home automation solutions, wireless security, controllable lighting, and IP CCTV components. For more information, visit clarecontrols.com.