

Product overview

The AW-CTD821 detectors are photo-electronic detector uses a state-of-the-art optical sensing chamber. This detector is designed to provide open area protection and to be used with most conventional fire alarm panel.

Product Features

1. Power supply non-polarity input;
2. Lower power consumption, high precision and stability;
3. SMT manufacture technology, excellent reliability;
4. Embedded MCP software control solution with high sensitivity and eliminate false alarm;
5. Using 304 stainless steel in chamber with excellent elasticity and corrosion resistance;
6. The shell is made of brand-new PC materials which is flame retardant, high hardness, and better than ABS materials;
7. Red LEDs flash every six seconds indicates that the detector is operating properly and alarm mode;
8. Compatible with most conventional fire alarm control panels.
9. Easy installation and maintenance.

Technical parameters

Model NO	AW-CTD821-4W
Operating Voltage Range:	9 to 28 VDC Volts Non-polarized
Standby Current:	$\leq 120\mu\text{A}@24\text{VDC}$
Maximum Alarm Current (LED on):	$\leq 15\text{mA}@24\text{VDC}$ (1K Ohm current-limiting resistance)
Operating Humidity Range:	$\leq 95\%\text{RH}(40^\circ\text{C}\pm 2^\circ\text{C})$ Relative Humidity, Non-condensing
Operating Temperature Range:	-10°C to 50°C (14°F to 122°F)
Smoke Alarm Sensitivity:	$1.06\pm .26\%\text{FT}$
Fix temperature Alarm:	57°C (135°F) A1R
Rate of rise Alarm:	$7.1^\circ\text{C}/5\text{S}$ A1R
Height:	48.2 mm installed in Base
Diameter:	99.45 mm