



# RT-3000

## *Ionization and Photoelectric Smoke Detectors*

The A/RT-3000 is designed to be an installer and servicer friendly product line. It significantly reduces the total cost of ownership versus other comparable products. It offers a host of "No-Tools Required" features, as well as a multi-application performance level unmatched in the industry. Duct smoke detectors are designed to prevent the recirculation of smoke in areas by air handling system's fans and blowers. The weathertight NEMA 4X rated corrosion resistant enclosure, coupled with extended temperature listings, allow installation in the widest possible range of indoor/outdoor environments. The A/RT-3000 can be installed in both horizontal or vertical configurations to match installation preferences. A simple flip of the cover latch releases or secures the NEMA 4X enclosure which houses a next-generation control board with colorcoded, trade- dedicated output terminals, twist-in photo or ion sensor heads (providing a choice in matching technology to application), a push-button timed Maintenance Mode (allows test and maintenance functions with no extra trouble reports to the system), and an uniquely constructed chassis (prevents accumulation of condensate commonly generated by the severe temperature changes these devices are typically exposed to).

The RT-3000 Series is covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's web site, [www.workaci.com](http://www.workaci.com).





**SPECIFICATIONS**

<b>Supply Voltage</b>	24 VAC/VDC, 115 VAC, 230 VAC
<b>Relay Outputs</b>	Alarm: (2) sets form "C" relay 10A @125 VAC, (1) set form "A" relay 1A (FACP) @ 30 VDC Trouble: (1) set form "C" relay 10A @ 125 VAC, (1) set form "B" relay 7A (FACP) @30 VDC
<b>Air Velocity</b>	100 to 4,000 ft./min
<b>Material/Flammability</b>	Makrolon 94V-0
<b>Temperature Range</b>	A/RT-3000-N -4° to 158°F (-20° to 70°C), A/RT-3000-P -4° to 140°F (-20° to 60°C)
<b>Wire Size</b>	Solid or stranded #14 to 22 AWG terminals
<b>Weight</b>	3.5 lbs.
<b>Humidity</b>	10 to 93% RH (@32°C), non-condensing/non-freezing

**ORDERING**

Select one Detection Head (A). (1) is an additional configuration.

**A** Detection Head

- N** (Ionization Detection Head)
- P** (Photoelectric Detection Head)

**1** Additional Configurations: Sampling Tubes

- 1.0** (Sampling Tube for 6" to 1' Duct Widths)
- 2.5** (Sampling Tube for 6" to 2.5' Duct Widths)
- 5.0** (Sampling Tube for 2.5" to 5' Duct Widths)
- 10.0** (Sampling Tube for 5" to 10' Duct Widths)

**BUILD PART NUMBER**

After completing (A) from the above table, fill in the Part Number Table below. The "Sensor Series" is factory default. An example part number is offered.

**RT-3000** —

SENSOR SERIES

**A**

EXAMPLE: RT-3000 - P

**A/STN** —

SENSOR SERIES

**1**

EXAMPLE: A/STN - 2.5

