



# SPECIFICATIONS

## AST-IRT

### *INFRARED REFRIGERANT SENSOR / TRANSMITTER*

#### Description

The AST-IRT analog transmitters are high quality, reliable transmitters with infrared sensors, analog output circuit, and corrosion resistant, painted aluminum enclosures.

#### Specification

<b>Signal Output:</b>	4-20 mA linear
<b>Range:</b>	0 – 1000 ppm
<b>Gases Detected:</b>	R11, R12, R22, R114, R123, R134A, R401A, R401B, R402A, R404A, R407C, R408A, R409A, R500, R502, R507A, R717 Ammonia
<b>Input Power:</b>	24VDC nominal (10 – 36VDC)
<b>Warm-Up:</b>	3 hours to full stabilization
<b>Response Time:</b>	Under 60 seconds
<b>Sensitivity:</b>	+/- 1 ppm at 25° C, 45% RH
<b>Resolution:</b>	1 ppm
<b>Accuracy:</b>	+/- 5 ppm plus 2% over full scale
<b>Linearity:</b>	Linear over full scale
<b>Humidity:</b>	0 to 90% relative humidity (non-condensing)
<b>Temperature:</b>	Chiller room model: 0 to 43° C (32 to 110° F) Freezer room model: - 40 to 43° C (- 40 to 110° F)
<b>Enclosure:</b>	Standard: Durable painted aluminum, optional watertight
<b>Calibration:</b>	Suggested at six months, push button zero adjustment only
<b>Dimensions:</b>	12.9" H (325 mm) X 4.8" W (122 mm) X 2.5" D (62 mm)