

## Temperature and Relative Humidity Sensor

### Overview

The ACS2424A is a wall mount Sensors that displays room temperature (T) and Relative Humidity (RH) for monitoring room environments. The sensors provide analog signals back to the Console for monitoring and fault condition identification. In cleanroom applications it can be used to monitor room T & RH to verify compliance with USP standards and directives.

The sensors is connected to the Console with a 5-wire twisted cable pair (1 wires for each analog output and 1 wire for common/ground 2-wire smps). The output of the sensor is an analog signal that can be fed to aConsole or interface card for monitoring and control.

### Specifications

- Accuracy: Temp  $\pm 0.3^{\circ}$  C (0-50 $^{\circ}$  C)
  - RH  $\pm 2\%$  (20% - 80% RH . 25 $^{\circ}$  C)
- Operating Temperature Range: 0 $^{\circ}$  to 50 $^{\circ}$  C
  - 0-100% RH
- Electrical Rating:
  - 12-30V DC
  - Output: 4-20 mA (2-wire) / 0-5 V (3-wire)

