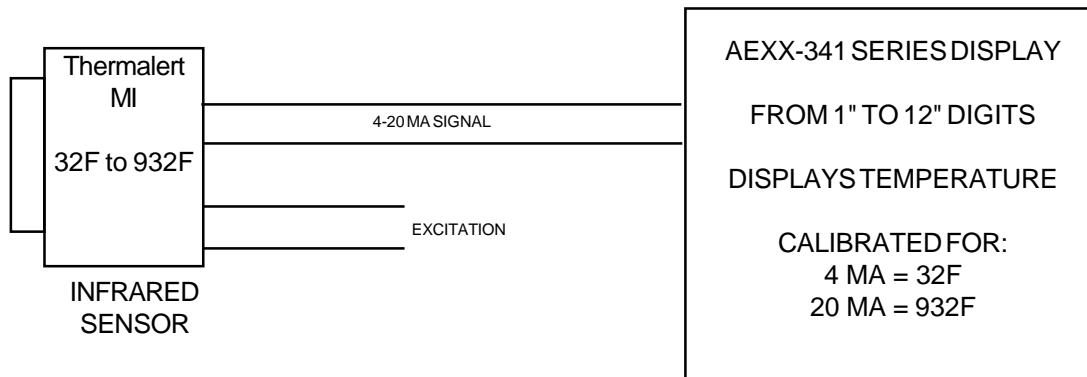


# APPLICATION NOTE

AN341-01

## DISPLAY PROCESS VARIABLES UP TO 500 FEET AWAY

Scale and display any 4-20 Ma, 0-5 V, or 0-10 V analog signal in the desired engineering units. AE Series Displays with an analog input (Option 341) can accurately display important process variables from PLC's, process transmitters and sensors. The example below shows a typical AE Series display connected to an infrared temperature sensor with a 4 to 20 ma output. The display is easily scaled to match the range of the sensor. To calibrate the low end, simply applying a 4 ma signal and entering 32. To calibrate the high end, apply a 20 ma signal and enter 932.



As the signal varies between 4 and 20 ma, the display will show the actual temperature in degrees F. Over range and under range indications are shown if the signal varies outside of the 4 to 20 ma range.

Displays are available with two, three, four, five and six digits, with digit sizes ranging from one inch high up to twelve inches high. A variety of enclosures, operating voltages, and custom configurations are available.

Use other AE Series Large Displays for clocks, timers, master time displays, counters, totalizers, and message displays. Computer and PLC interfaces are available.



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