

Demand Moore Reliability

Splitting a Temperature Transmitter Output To Multiple Display Units

A food processing plant using a temperature sensor needed to split the output of the 4-20mA sensor to four separate display units located in different parts of the plant.

Our solution was to use two ECT-DIN signal splitters to provide four 4-20mA signals for the displays. The two splitters created a 100 ohm load on the temperature sensor. Each sensor has two 4-20mA outputs sourced by the ECT and following the input. Each output can drive into 600 ohms of load and each output is isolated from the input and the other output.

