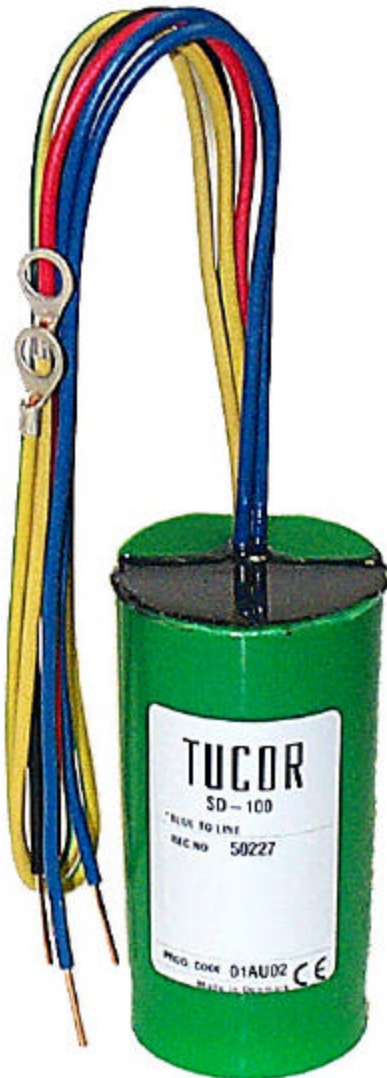




SD-100 SENSOR DECODER

The sensor decoder is a fully programmable direct-bury decoder that provides an interface between Flowmaster controllers and field sensors. This means that virtually any type of sensor, i.e. flow, temperature, or moisture can be added to a new or existing system. The sensor decoder is installed on the same two-wire path as the line decoder. It also may be programmed to operate with a 4-20 mA, analog or digital input.



SPECIFICATIONS:

Input electrically:

3 different interfaces may be selected:

- 4-20 mA input with choice between internal/external source.
- 0-10 V analog
- Digital input with choice between internal/external source.

Sensor resolution is 200 steps. Accuracy is better than 1% of max. value.

Input function:

The controller polls the sensors for data. As for the two analog types, 0-200 is the result, for digital "open" or "closed".

It may be selected that an event (passage of a low or high threshold) may halt the irrigation.

In order to save power (especially for the 4-20 mA type) it may be selected that the sensor only is powered when the controller orders the sensor to perform a measurement.

Digital sensors may be programmed to either deliver a number of pulses or a pulse frequency (ex. Propeller-type flowmeter)

Special functions:

To ensure that the sensor circuit is floating, the SD-100 is capable of measuring the current that leaks through the sensor input. (This is a special test function).

All functions (also input type) in SD-100 are programmable from the controller as an integral part of the sensor installation.

ORDERING CONFIGURATIONS:

SD-100 Sensor Decoder