



# SD-100 – Sensor Decoder

**Smart Irrigation**  
From the Ground Up

(800) 272-7472  
www.tucor.com

The SD-100 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, such as 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 decoders, so the sensor may be a

considerable distance from the controller. It may be programmed to operate with a 4-20 mA or pulsed digital input (as with a standard flow meter). Up to ten SD-100's may be used on Tucor controllers.\* The SD-100 can add yet another level of flexibility and logging data to your Tucor controller.

# SPECIFICATIONS

### INPUT ELECTRICALLY:

2 different interfaces may be selected:

- 4-20 mA
- Pulses per time

Sensor resolution is 200 steps.

Accuracy is better than 1% of maximum value.

Unique sensor ID is factory programmed.

### OPERATION:

When used with an appropriate flowmeter, output is measured and recorded as flow rates.

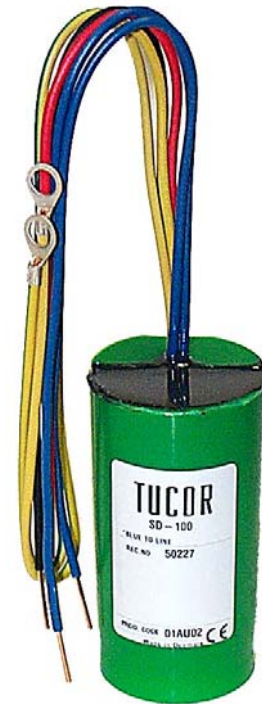
Various controller responses may be defined based on sensor input.

The controller polls the sensors for data either once or twice per minute, depending upon the number of sensors installed.\*

### INSTALLATION:

The sensor is wired directly to the 2-wire path. Inputs are color-coded for proper polarization, if necessary. The sensor calibration is defined in the appropriate controller's PC software and is then transferred to the controller via the software interface.

Includes built-in SP-100 for added surge protection.



The SD-100  
Sensor Decoder

### APPLICATION:

TWC / TWC-NV

TWI

AIC

COM

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### ORDERING CONFIGURATIONS:

SD-100

Sensor Decoder

\* See controller specifications for maximum allowable sensor decoders.