



FSI-T00-000 Flow Sensor

Creative Sensor Technology introduces a new technologically advanced flow sensor designed specifically for the irrigation industry.

Designed by the same team who created the original impeller flow sensor, CST's sensor is completely new, not a redesign. The sensor features a square wave digital signal proportional to flow. The characteristics of the output signal duplicate existing impeller flow sensor signals making the FSI series sensor compatible with all manufacturer's control products. The pulse signal will travel up to 2,000 feet without amplification.

The key elements of this new technology are a proprietary mounting tee, ultra-lightweight impeller and improved processor based electronics giving the FSI series sensor improved performance.



TECHNICAL IMPROVEMENTS

Feature

Benefit

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|--|---|---|
| 1. Molded Mounting Tee | → | Improved control of dimensions for more consistent measurement and improved performance at low flow. |
| 2. Threaded Retaining Nut instead of Retaining Pin | → | Easier to service in a valve box, more moisture resistance for electronics resulting in longer life. |
| 3. Unique 4 bladed lightweight impeller | → | Measures lower flow rates. Detects flow as low as 20% of published minimum rate of other impeller sensors |
| 4. "Smart electronics" detection system | → | Sensor electronics contain a micro-processor for better signal filtering and conditioning. Detection circuit also contains superior over-voltage and over-current protection. |

AVAILABLE SIZES

Model	Size
FSI - T10 - 001	1 Inch
FSI - T15 - 001	1 1/2 inch
FSI - T20 - 001	2 Inch