



Creative Sensor Technology

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CST INTRODUCES BREAKTHROUGH PATENTED FLOW SENSOR INNOVATION

The ELF helps customers conserve water and save money

(Rochester, MA, April 9, 2019) – Creative Sensor Technology’s highly anticipated flow sensor, the Enhanced Low Flow (ELF), is now being shipped to irrigation, landscaping and agricultural distributors on a national and international basis. Targeting the demands for water conservation and re-use in the irrigation, landscape and agricultural markets, the new Enhanced Low Flow meter uses the proven reliability of CST’s impeller technology in a design that is so unique that it has been awarded US Patent no. 10,060,774B1.

The ELF flow sensor will measure expansive flow rates ranging from a low of 0.2 gpm up to 20 gpm. Now, one flow sensor can measure the demand of small drip zones as well as multi-zoned residential and commercial landscape sites. Norm Bartlett, president of Creative Sensor Technology said, “ Finally, the day has come when contractors and DIYer’s can easily install an affordable water flow sensor that will accurately measure flow to conserve water, save money and protect property. And we’re so certain about the ELF’s technology and reliability that we’ve backed it up with a lifetime electronics warranty.”

The ELF’s unique design eliminates the need for contractors or DIYer’s to install lengthy straight pipe upstream and downstream of the device, allowing the ELF to be installed quickly in smaller and hard-to-reach confined areas. Pipe size or direction can change immediately after the sensor, so now even a solenoid valve may be attached directly to the downstream threads of the ELF creating both a flow sensor and master valve combination. And measuring less than 12 inches in length allows it to fit into a standard valve box.

The ELF utilizes proven impeller technology in a unique design which significantly reduces friction loss. The light weight impeller features a wear resistant and self-cleaning bearing. All the electronics are encapsulated in a watertight epoxy suitable for underground installation even in extremely wet environments. The output signal is a simple two wire digital frequency.

The ELF will be available in two unique models, a ¾ inch PVC version with socket connections and a 1-inch glass-filled nylon (Noryl®) version with male NPT threaded connections. Creative Sensor Technology is backing both models with its guaranteed brand promise of a lifetime electronics warranty, the only one of its kind in the industry.

Creative Sensor Technology is a domestic manufacturing company dedicated to providing innovative solutions to water management applications with quality products designed to conserve water resources and protect our environment.

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