

## Series 800 - Set-Point Controller

## Leak Control - Normally Open Master Valves

# Application Brief

Automatic irrigation systems save thousands of man hours per day while efficiently watering the landscape. However, due to broken or missing sprinkler heads, risers, or pipeline breaks they may be wasting huge quantities of water or causing severe soil erosion problems.

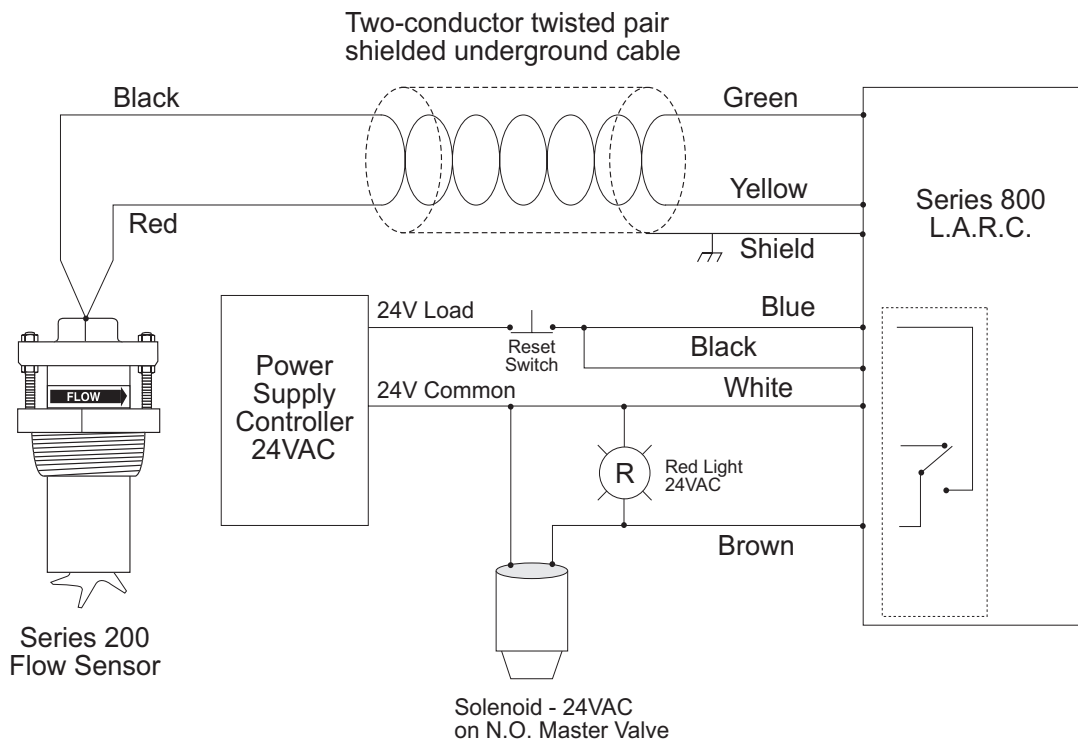
Leading irrigation designers have eliminated these problems with Badger Meter Flow Sensors and Controls.

In a typical system, the Badger Meter impeller-type flow sensor monitors the flow in the main line or sub-main. The Series 800 (L.A.R.C.) connected to the sensor (up to 2000 feet away) is set to react to a greater than the normal flow. If it senses a high flow rate that lasts longer than the normal time it takes to charge a system, it closes a relay that operates a normally open master

valve. The master valve shuts off the flow of water in the main or sub-main. The L.A.R.C. keeps the master valve closed, even after the irrigation controller finishes its cycle, until an operator resets the L.A.R.C. and checks the system manually. The L.A.R.C. is usually mounted in the irrigation controller enclosure or pedestal. An outside indicator light, mounted on the side of the pedestal, alerts the irrigation operator to the problem.

The following diagram details the wiring of the components.

1. Flow Sensor - Badger Meter 200 Series
2. Control - Badger Meter Series 800 L.A.R.C.
3. Reset Switch - N.C. momentary
4. Master Valve - N.O. 24 VAC
5. Indicator Lamp - 24VAC



**DAB-030-01**

(previously known as AN46)

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