

A common problem of irrigation systems along freeways, roadsides, and parking lots is the loss of thousands of gallons of water due to broken sprinkler heads. Often these problems are not discovered until plants are lost, or complaints are received about water overflow on to a highway.

Badger Meter's Series 1500 Flow Monitor takes care of this problem. The Series 1500 can monitor flow rate on sprinkler zones. Used with a Badger Meter IR Sensor installed on the main line piping with access through a valve box, the Series 1500 can be programmed to detect changes in flow rates. If the flow exceeds a specific rate, a mechanical relay in the Series 1500 can switch off a zone valve, master valve, or sprinkler controller. It keeps the valve off until the condition is fixed and the Series 1500 is

reset. A time delay can be programmed into the Series 1500 by the customer to prevent nuisance shutdowns.

The Series 1500 has a NEMA 4X rated front and conforms to DIN standard dimensions. The Series 1500 is also available in NEMA 4 wall mount configurations.

The software is menu driven from the front panel, and is easily programmed and calibrated in the field. A conceptual diagram of a typical system is shown below. Depending on controller and zone valve types additional hardware may be required.

