

Application Note: 17-R

MARKETS

- Energy
- General
- ✓ Irrigation
- Municipal
- Semiconductor

The Model 330 Relay Control Helps You Stop Wasting Water

A common problem of irrigation systems along freeways and roadsides or parking lots is the loss of thousands of gallons of water through broken sprinklers. Often these problems are not discovered until plants are lost or complaints are received

about overflow.


Data Industrial's Model 330 Relay Control takes care of this problem. Used with a Data Industrial flow sensor, the Model 330 is a compact, programmable relay control capable of monitoring the flow rate on a zone of sprinklers. If it detects a greater than normal flow, the relay control of the Model 330 will open and switch off the zone valve, master valve, or sprinkler controller and keep it off until you re-set it. Time delays can be set to prevent nuisance shutdown.

With an onboard microcontroller and digital circuitry, the Model 330 is programmed from a Windows[®] based computer program.

PRODUCTS

- 200 ✓
- 4000
- 310
- 320
- 330 ✓
- 340
- 340LW
- 340N2
- 600
- 800
- 1400
- 1500
- 1550
- 2100
- 2200
- 2300
- HTT
- SDI
- WSS

Sample Programing Screen



The screenshot shows a Windows-style window titled "330 Parameters" with a menu bar containing "Load", "Save", "Advanced Parameters", and "Exit". The interface is divided into several sections:

- Flow Sensor Configuration:** Includes radio buttons for "SDI" (selected), "4000", "sine", and "200 Insert Type". Below are input fields for "K =" and "Offset =". There are also radio buttons for "200 Tee Type".
- Flow Rate Units:** A dropdown menu currently set to "gpm".
- Alarm Type:** Radio buttons for "high", "low", and "both".
- High Alarm:** A section with "Latch" radio buttons for "yes" and "no". It contains two rows of input fields: "set point" and "release point" (both in "gpm"), and "set point delay" and "release point delay" (both in "sec").
- Low Alarm:** A section with "Latch" radio buttons for "yes" and "no". It contains two rows of input fields: "set point" and "release point" (both in "gpm"), and "set point delay" and "release point delay" (both in "sec").

At the bottom of the window are four buttons: "Send", "Refresh", "Defaults", and "Exit".

With an A330 Programming Kit (includes A301 cable and software) and a personal computer one can easily program any number of units in the field. The non-volatile memory saves programmed values indefinitely.

The Model 330 is available with a waterproof box for mounting in a controller, pedestal enclosure or anywhere there is 24VAC power available.

If you're tired of wasting water or worried about a liability, install the Model 330 Relay Control in conjunction with a Data Industrial flow sensor.

Typical Installation

