



Smart Irrigation
From the Ground Up

(800) 272-7472
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TUCOR'S COM IS AN INEXPENSIVE, COMPACT 2-WIRE CONTROLLER, capable of handling either 25 or 50 decoder addresses. Its small size is ideal for situations where space is at a premium. Since changes are done with the Windows-based RMS software, there's less risk of casual tampering of the controller's data. For remote control, it includes both a phone modem for analog phone lines, and a serial port for direct connections to a local PC or via the Internet with a PC broadband connection and optional LAN-100 or wireless WIN-200 devices.

The COM can turn on 5 valves simultaneously, in addition to a Master Valve or Booster Pump. It can

accommodate 1-5 flow sensors. A Rain Sensor input will suspend irrigation when activated. Monitoring data is collected continuously; when retrieved via RMS software, irrigation activity, alarms, flows, etc. can be displayed in Tucor's Excel-based RMS Logviewer. Alarms can generate an outbound phone call if the COM is so connected. Three front-panel LED's provide a quick status check of the system. Two-wire paths up to five miles are possible*.

The COM is an affordable way to handle your irrigation needs using Tucor's proven 2-wire technology!

SPECIFICATIONS

OPERATING FEATURES:

IRRIGATION SCHEDULES / STEPS:

5 Schedules (60 Steps / Schedule) + 1 Test
1 - 999 minutes / Step
Overlapping Schedules permitted

START TIMES:

Day and time individually per Schedule, or linked
6 times per day per Schedule
14 or 15 day cycle

WATER BUDGET:

0-250% @ 1% increments

PUMP CONTROL[‡]:

1 Master Valve (enabled with every decoder)
9 Booster pumps (each decoder can be assigned one)

DIAGNOSTICS:

LINE SURVEY:

Real-time display of 2-wire voltage and current (in RMS)

DECODER:

Cycle valves in order, automatically or manually

LED'S:

Indicate status of Power, Alarm, Irrigation

MISCELLANEOUS:

- Rain Sensor input: interrupts 2-wire output, output resumes at next full Step within current Schedule
- Flow sensor:
 - Supports 1 - 5, depending on logged alarms used
 - Learn flow per Station
- Alarms[†]:
 - Flow: High, Unscheduled, % Deviation, Main Pump Failure
 - Other: Rain, 2-Wire Short Circuit
- Includes
 - RMS software, Windows 98 - XP compatible
 - Power Transformer
 - Serial cable, null modem, DB9 F/F



The COM 2-wire controller supports 25 or 50 valves

- Adjustable valve power output
- Remote line-of-sight radio operations (RFA-100)
- Automatic 2-wire over-current protection

HARDWARE:

ELECTRICAL:

Input = 120 VAC @ 50 VA, Output = 24 VAC

MAXIMUM STATIONS:

25 / 50

MAX STATIONS RUNNING SIMULTANEOUSLY*:

5, + 1 Master valve or Booster Pump

INTERNAL DATA BACKUP:

Installation data: 5-year lithium, replaceable
Monitoring: volatile RAM

MOUNTING:

Indoor, 5° - 30° C, 20% - 80% humidity

DIMENSIONS:

7.5" X 5.5" X 2"

*Using default valve power. Using a different valve power, changing the specified wiring type, length, valve distribution or connectors may result in less capability of active stations. See Tucor's Wire Spec for distances.

† Not all flow alarm features may be available simultaneously.

‡ Only one MV or pump may be used at any given time.