



Smart Irrigation  
From the Ground Up

(800) 272-7472  
www.tucor.com

**THE RKS IS A STAND-ALONE**, conventional controller, expressly designed for converting conventional systems to Tucor's exceptional remote management system. The RKS can operate up to 10 Stations simultaneously and up to 100 valves. Our unique "Add-A-Zone" feature allows you to add Stations one at a time as your system grows. The RKS's simple, intuitive programming comes with a wealth of controller capabilities.

Operations include up to 10 Programs running simultaneously; timing per valve in one-second increments; flow sensing; multiple alarm options; ET inputs; remote control via Internet, browser-based or locally; and many flow management methods.

The RKS is definitely the superior way to manage your irrigation system, either for your new installation or when retrofitting an older controller. Tucor is the smart way to go!

# SPECIFICATIONS

**ELECTRICAL:**

Input: 115 VAC, 50 VA  
Output: 24 VAC

**STATIONS:**

1-100, priced in single station increments †

**MAXIMUM SIMULTANEOUS ACTIVE VALVES:**

6\*

**MASTER VALVES:**

1, 10 second stop delay

**BOOSTER PUMPS:**

2, 10 second stop delay

**CABINET:**

Wall mounted NEMA 4 rated locking metal cabinet with internal Class 2 transformer

**DIMENSIONS:**

12" H x 12" W x 5" D (approx)

**LIGHTNING PROTECTION:**

Built-in

**VALVE OUTPUT:**

24 VAC, 1.0 A per station max., 1.5 A total max.

**OPERATING FEATURES:**

**PROGRAMS:**

10 + 1 test program

**CONCURRENT PROGRAMS:**

10

**START TIMES:**

12 per program, 1 - 99 repeats per start

**CALENDAR:**

14 days or Odd/Even

**STATION RUN TIMES: 0-999 MINUTES:**

1 second increments (< 4 minutes)

10 second increments (4 - 999 minutes)

**WATER BUDGET:**

0-250% @ 1% increments

**PROGRAM MODES:**

Active & Passive

**START METHODS:**

Auto, Manual by Program, Manual by Station

**DISPLAY:**

Monitors active programs, run times, and alarms



The RKS stand-alone conventional controller

**ET:**

ET Capable (requires WR-7RKD or ET weather station)

Local Weather Station: Pulses:

50 ms minimum width

2 pulses per second maximum

Maximum ET (prevent short run time)

Maximum ET (prevent run-off)

Maximum hourly rain (soil absorption)

Soil holding (save rain for next day)

ET period (definable start-of-day)

Historic Data (for fallback)

**REMOTE MANAGEMENT**

- Via the Internet<sup>‡</sup> and any web browser when the RKS is equipped with
  - Tucor's WIN-xxx module and GPRS service, or
  - Tucor's LAN-100 with your own Local Area Network
- Remote line-of-sight radio operations (RFA-200) to enable valves and Programs

**MISCELLANEOUS:**

- Rain Sensor terminals
- Flow sensor inputs at controller, with:
  - Alarms: High, Unscheduled, Deviation, Main Pump Failure; adjustable delay (1 - 10 minutes)
  - Learn flow per Station
  - Maximum 250 pps

<sup>†</sup> Stations from 26-50, 51-75, and 76-100 each require an additional NEMA enclosure

\*Given industry standard 0.25A per station

<sup>‡</sup> Requires yearly subscription for Tucor's Server access