
Order Information

For a complete list of possible products, please consult our At-a-glance catalog.

Controller Models

2-Wire

RKD+ Tucor 100 Valve Center Dial 2-Wire Decoder Controller in 12x12x6 Polycarbonate enclosure.

LTD Tucor 50 Valve 2-Wire Decoder Controller in 12x12x6 Polycarbonate enclosure.

Conventional

RKS+ Tucor 25 zone, Center Dial Conventional Output Controller (must add RKS-Z zone count, individually priced) in 12x12x6 Tucor Polycarbonate Enclosure

RKS+24BZ RKS+ 24 Station Controller Bundle. Includes LTE-M Modem (SERVLINK-AIR) and 25 Zone License Key.

RKS+ 50BZ RKS+ 50 Station Controller Bundle. Includes LTE-M Modem (SERVLINK-AIR) and 50 Zone License Key, CON-25 & 12x20x6 Stainless Steel Enclosure

RKS-EXT Tucor 25 zone extension Enclosure for in 12x12x6 Tucor Polycarbonate enclosure

Accessories

Communication

SERVLINK-E Tucor SERVLINK E web module, ethernet-only version.

SERVLINK-AIR web connection module. CAT M1 (LTE-M) connectivity.

WIN-400-A Tucor 4G LTE Cellular Modem (AT&T). For applications using ET-300-W-N Weather Stations or Wireless Extensions

RKD-RFA-200-A Tucor Radio Field Access transceiver for RK+ handheld radio

RFA-HH-VHF Tucor Handheld radio with DTMF keypad for RK+

Sensors

UFM-XX – Ultrasonic flow meter in 1-4" sizes with removable insertion

SMS-100 Tucor Single Soil Moisture and Temperature Sensor with 13' of cable for direct connection to the RK & RK+ Controllers

ET-300-W-N Tucor Solar powered weather station. Includes connectivity bridge to Tucor controller (LAN-100).

About Us

Founded in 1995, Tucor's mission is to provide top-quality water management products that apply practical innovations to solve real irrigation problems & better conserve customer resources.

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TUCOR
I N C

RK+ Smart Controller Line



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Tucor's RK+ Line

Calculate best watering practices with ET/MAD, Weather, or Water Budget-based Watering

Communicate controller data or control remotely via cellular (CATM1), ethernet & ethernet radio.

Validate results with historical reports.

RK+ Lineup



RKD+ 2-Wire Controller

- 100 station capacity
- Programmable RKLD-050 decoder
- LTD – 50 station version of RKD+



RKS+ Conventional Controller

- 25 station controller with extensions that combine up to 100 station capacity
- Wirelessly connect from extension to extension
- 2-Wire add-on options from 6-48 stations

RK+ Benefits

- Remote access & control with Tucor's RealNet
- Flow features that prevent water waste, leaks & more such as:
 - FloGuard: High Flow, Low Flow, Flow Deviation & Unscheduled Flow alarms with built-in actions
 - FloStack: Program stacking based on real-time flow values for up to 10 simultaneous programs and system capacity.
 - Learned Flow program
- ET: Three options for ET-based control for varying levels of management (Weather, ET calculated & ET automatic)
- Patented Total Cycle Management: Regulate ET values with high & low moisture bounds
- Mist Manager: Irrigate in seconds for nursery applications
- Cycle & Soak: Set regular periods of irrigation pause within a program to prevent run-off

Total Cycle Management

A watering method so innovative, we had it patented.

"[Total Cycle Management] is a system and method for validating ET-based irrigation control by combining ET data with moisture-based data readings. [Total Cycle Management] can produce more accurate irrigation scheduled than currently obtained from solely relying on ET or moisture-based data." Patent No. 9,756,797

When conditions are **dry**, ET **underwaters**.

When conditions are **wet**, ET **overwaters**.

System Components



RealNet

RealNet's flexible & user-friendly web interfaces bring real-time irrigation data & control to any web-enabled device. Cycle Manager+ is your all-in-one

management platform with the simplicity of access from any browser. Make program & station changes, view real-time flow data, export monitoring & water usage reports, and read & react

to alarms on virtually any web-enabled device. MobileManager contains all the features you need for on-demand troubleshooting and field work. With Tucor's MobileManager, you can view

real-time data, manually run stations & programs, and react to controller alarms. Virtual controller allows you to access your controller & navigate the display in real-time, from anywhere in the world.



Communication

The RK+ Line has two options for cellular communication. Tucor's

SERVLINK-AIR is a compact LTE-M modem designed for all standard applications. The WIN-400 is a

4G LTE modem for use with the ET-300-W-N weather station or RKS extension ("RKS-EXT"). The

SERVLINK-E is Tucor's ethernet option that uses MQTT technology.



Weather Station

The ET-300-W-N is a solar-powered,

wireless weather station that can be located up to 1000' line of site

(LOS) from a RK+ controllers with a WIN-400. Data is transmitted

to Cycle Manager software and is retransmitted to one or more devices



Soil Moisture Sensors for RK+

The SMS-100 is a soil moisture

sensor is a single capacitance sensor that provides soil monitoring

data including soil moisture and temperature. The SMP-12 (not

pictured) is a single 12" probe with six sensors equally spaced 2" apart.



RKLD-050 Decoder (RKD+ & LTD only)

The RKLD-050 decoder is a

programmable, single-address decoder for RKD+ and LTD controllers. Program options include

valve, booster pump, normally-closed & normally-open master valve.

RKS+ Extensions (RKS+ only)

The RKS+ extension is a

Connect 25 station modules via wired or wireless connection.

Wired options are available as pre-assembled kits.



RK+ & Sustainability

LEED*

Average Controller Efficiency of .59 when tested at an independent University.

EPA Watersense Certified**

Controllers save on average 15,000 gallons of water annually.

SmartLandscape

@ UC Davis***

Turf Health maintained down to 1 Day per week watering.



*Using RKD controller with ET-300-W weather station.

**WaterSense certified with Tucor Weather Data and RealNet subscription

***Turf health determined via Trimble Greenseeker Crop Sensor and NDVI rating in top 25% of possible values.