



RKS+ Conventional Controller



Applications

- Landscape & Turf
- Greenhouse, Nursery & Industrial
- Agriculture
- Golf

THE RKS+ Controller is a flexible & user-friendly conventional controller with a wealth of water saving features and benefits. The RKS+'s modular design allows you to add anywhere between 25-100 zones of capacity with a series of 25 station controller extensions ("RKS-EXT"). Our unique RKS+ combines a host of water-saving technologies to create a completely automated & intelligent system including flow sensing, ET, soil moisture sensors & more.

With Tucor's RKS+:

- Web-based control allows you to access your RKS+ system from any smartphone or remote device
- Operate up to 10 Programs concurrently and 100 valves*
- Enjoy programming features including run times per valve in one-second increments
- Use Tucor's patented Total Cycle Management feature to use Historic ET, Soil Moisture data, and
- Rain data, together, for a truly accurate self-watering system



Highlight Features:

- Remote web control via Cycle Manager & Tucor MobileManager applications
- FloStack™ – Program stacking based on flow for up to 10 simultaneous Programs
- IntellisET – Smart irrigation using a host of ET-based capabilities
- FloGuard – Alarm and control options based on flow monitoring



*When used with ET-300-W weather station

RKS+ SYSTEM



800-272-7472
tucormail@tucor.com

Tucor, Inc. 330 Perry Highway Harmony, PA 16037
www.tucor.com

@Tucor, Inc. @tucor-inc
@TucorInc @TucorInc



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SPECIFICATIONS

HARDWARE

Electrical	Input: 115 VAC, 50 VA Output: 24 VAC
Stations	1-100, priced in single-station increments
Maximum Simultaneous Active Valves	6 max per cabinet, 12 max per system
Master Valves	1, 10 second stop delay
Booster Pumps	2, 10 second stop delay
Cabinet	Wall-mounted polycarbonate cabinet with internal Class 2 transformer
Dimensions	12 1/4" x 12" x 6 1/2"
Lightning Protection	Built-in
Valve Output	24 VAC. 1.0 A per station max, 1.5 A total max
Wiring between RKSXT-25's	4-conductor crossed, dual RJ-11 jacks, 7' 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) or 10 second increments (4 – 999 minutes)
Water Budget	0-250% at 1% increments
Program Modes	Active & Passive
Start Methods	Auto, Manual by Program, Manual by Station
Display	Monitors active programs, run times, and alarms

MISCELLANEOUS

ET	Requires ET-300-W Weather station: Pulses 50 ms minimum width, 2 pulses/sec max
	Maximum ET: prevent short run time or run off; Maximum Hourly Rain: soil absorption, Soil holding: save rain for next day
	Type: Current (standard) & Historic (interpolated)
Solar Option	Continuous Power Output: 40W; 12 VDC Battery Voltage; Backup Battery: 30 hrs; Panel Size: 160W
Sensor Inputs	Rain and Flow Sensor Terminals at controller, Flow Input maximum 250 pulses/second
Flow Alarms & Programming	Learned flow per station; Alarms: High, Unscheduled, Deviation, Main Pump Failure. All include adjustable delay (1 to 10 min.)

HOW TO ORDER

RKS+	Tucor 25 zone, Center Dial Conventional Output Controller (must add RKS-Z zone count, individually priced) in 12x12x6 Tucor Polycarbonate Enclosure
RKS-EXT	Tucor 25 zone extension Enclosure for zone count 51-75, 76-100 in 12x12x6 Tucor Polycarbonate enclosure
RKS7-SOLAR	Solar Option for RKS+ Controller. 160W size with 40W of continuous power output.

