



RKD+ 2-Wire Controller



Applications

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

THE RKD+ 2-Wire Controller is a high-quality 100 station irrigation controller that pairs every water-saving feature your site requires with an easy-to-use controller & web software! Flexible & durable, the RKD+ utilizes Tucor's proprietary 2-Wire technology & RKLD-050 series of decoders for a system that stands the test of time. From the simplest application requiring a high-value 2-Wire controller, to a site demanding the ultimate water-saving Smart Control system that combines flow sensing, ET, soil moisture sensor management with our new Tucor MobileManager field app, the RKD+ is the perfect controller to fit your needs now & in the future.

With Tucor's RKD+

- Access your RKD+ system from any smartphone or remote device using Tucor's RealNet subscription service and three unique applications (Cycle Manager+, Tucor MobileManager & Virtual Control)
- Operate up to 10 Programs concurrently, irrigate in seconds, learn flow & more with the RKD+'s smart programming features
- Native 100 station capacity accomodates growing site needs with the flexibility of 2-Wire
- Use Tucor's patented Total Cycle Management feature to use Historic ET, Soil Moisture data, and Rain data together for an automated water-saving system



RKLD-050

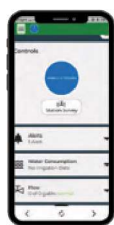
Highlight Features:

- Remote web control via Cycle Manager, Tucor MobileManager & Virtual Control applications
- FloStack™ – Program stacking based on flow for up to 10 simultaneous Programs
- IntellisET – Smart irrigation using a host of ET-based capabilities including accumulated rain fall with Tipping Rain Bucket
- FloGuard – Alarm and control options based on flow monitoring



*When used with ET-300-W weather station or remote weather & RealNet subscription

RKD+ System



REMOTE ACCESS



RKD+



RKLD-050 DECODERS



WEATHER



MOISTURE SENSING



FLOW

OPTIONS



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SPECIFICATIONS

HARDWARE

Electrical	Input: 115 VAC, 50 VA Output: 24 VAC
Stations	Native 50, Optional 50-100, priced in single-station increments
Programs	12 max per system, 1 per program
Master Valves/ Booster Pumps	1 (enabled at any Decoder action)/ 2 (assigned to program, 1 per program)
Flow Sensors/ Soil Moisture Sensors	Maximum 1/ Maximum 10
Cabinet	Wall-mounted polycarbonate cabinet with internal Class 2 transformer
Dimensions	12 1/4" x 12" x 6 1/2"
Lighting Protection	Built-in at controller, 2-Wire path requires SP-100s installed every 500 ft and at the end of wire runs
Decoder	RKLD-050, Single-station, programmable & tested at LTD unit or with Handheld Programmer
Maximum Wire Runs	Based on (4) simultaneous programs: #14/2- 12,500', #16-2- 7,800'

OPERATING FEATURES

Total Programs/ Concurrent Programs	10 + 1 Test Program/ 10 Concurrent
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
2-Wire Diagnostics	Decoder Test: Pass/Fail, Short Test: permits measurement of 2-Wire condition, Line Survey: displays 2-Wire voltage & current

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)
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

RKD+	Tucor 100 Valve Center Dial 2-Wire Decoder Controller. Tucor 12x12x6 Polycarbonate enclosure.
RKD+P	Tucor 100 Valve 2-Wire Center Dial Decoder Controller. Panel only.
RKLD-050	Tucor Single Valve Line Decoder for use with RKD and LTD. Purchase quantity (10)
HCP	Tucor Hand Held Decoder Programmer for RKLD-050. Includes decoder test features.

