



LTD 2-Wire Controller



Applications

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

THE LTD 2-Wire Controller is a high-value, 50 station irrigation controller designed to accommodate your site's evolving water management needs & growing scale. Flexible & durable, the LTD utilizes Tucor's proprietary 2-Wire technology & RKLD-050 series of decoders for a system that is easily expandable and stands the test of time. From a simple 20 station 2-Wire system, to an optimized & water-saving Smart Control system that combines flow sensing, ET, soil moisture sensors management with our new Tucor MobileManager field app, the LTD is the perfect controller to fit your needs now & in the future.

With Tucor's LTD

- Access your LTD 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 LTD's smart programming features
- Expand from 50 to 100 stations, one station at a time, via digital "Add-A-Zone" feature (no equipment required)
- 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:

- Expansion up to 100 stations with digital "Add-A-Zone" feature
- 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 Tipping Rain Bucket data
- FloGuard – Alarm and control options based on flow monitoring



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

LTD SYSTEM



REMOTE ACCESS



LTD



RKLD-050 DECODERS



WEATHER



MOISTURE SENSING



FLOW

OPTIONS



800-272-7472
tucormail@tucor.com

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

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



LTD 2-Wire Controller



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

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|-------------------------------------|--|
| 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

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| LTD | Tucor 50 Valve 2-Wire Decoder Controller. Tucor 12x12x6 Polycarbonate enclosure. Compatible with the RKLD-050 decoder. Upgradeable to 100 with license key code. |
| LTD-LD20 | Tucor 50 Valve 2-Wire Decoder Controller Bundle. Tucor 12x12x6 Polycarbonate enclosure. Includes 20 RKLD-050 decoders. Upgradeable to 100 with license key code. |
| LTD-LK1 | Tucor LTD 1 Zone License Key for expansion |
| 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. |

