

# LTD Irrigation Controller



## SPECIFICATION

### BUSINESS FIELD

- LANDSCAPE & TURF
- GREENHOUSE, NURSERY & INDUSTRIAL
- AGRICULTURE
- GOLF



**The LTD Irrigation Controller** is a high value WEB COMPATIBLE, decoder-based, 2-Wire controller with a station and scheduling capacity of 1-50 Stations and 10 programs.

It can operate up to 15 Stations simultaneously and run 10 Programs concurrently. The LTD uses the highly reliable RKLD-050 programmable line decoder, which can be addressed and tested at the controller. The LTD also has integrated 2-Wire diagnostic tests for decoder operation and 2-Wire path condition.

Beyond the controllers high core value, further advanced features include the following:

- TCM – Total Cycle Management capability via IntellisET functionality utilizing Historic ET, Soil Moisture Sensor and Tipping Rain Bucket data.
- Learned Flow capability.
- FloStack™ – Program stacking based on station flow rates for up to 10 simultaneous programs.
- FloGuard – Alarm and control options based on flow monitoring.
- WebTurf- Remote app for smart phones
- Cycle Manager Control- Available in some markets

**\* 2-WIRE \* AFFORDABLE \* EFFICIENT \***



**LTD** (in plastic enclosure)

## LTD FEATURES

- 2-Wire, 50 Stations, 10 Programs
- Proactive use of ET and Soil Moisture Data
- True, Real-time, web based control
- Unique, robust 2-wire decoder technology
- Learned flow, flow guard, and flow stack
- 10 simultaneous programs  
2 Booster, 1 Master Valve, 2 manually started for a total of 15 simultaneous operated decoders



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# LTD Controller



## Specifications:

### HARDWARE SPECIFICATIONS:

ELECTRICAL INPUT: Input: 115 VAC, 50 VA; Output: 24 VAC  
 MAXIMUM STATIONS: 50  
 MAXIMUM ACTIVE VALVES: 12\*  
 MASTER VALVES: 1 (enabled at any Decoder action)  
 BOOSTER PUMPS: 2 (assigned to Program, 1 per Program)  
 FLOW SENSORS: 1  
 MAXIMUM SOIL MOISTURE SENSORS: 10  
 CABINET: Locking poly carbonate cabinet with internal transformer  
 DIMENSIONS: 12 ¼" x 12" x 6 ½"  
 LIGHTNING PROTECTION: Built-in\*  
 (\*Controller only: 2-Wire path requires Tucor's SP-100s installed every 500')  
 MAX. WIRE RUN \*:  
 12,500' with #14/2,  
 7,800' with #16/2  
 \*4 SIMULTANEOUS PROGRAMS

### OPERATING FEATURES:

PROGRAMS: 10 + 1 test program  
 CONCURRENT PROGRAMS: 10  
 START TIMES: 12 per program  
 CALENDAR: 14 days or Odd/Even  
 STATION RUN TIMES: 0 - 999 minutes:  
 1 second increments (< 4 minutes)  
 10 second increments (4 - 999 minutes)  
 CYCLES: 1-99 cycles per start  
 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, line conditions, and Alarms  
 DECODERS: RKLD-050, addressed and tested at controller  
 DIAGNOSTICS:  
 DECODER TEST: Pass/Fail, in the field  
 SHORT TEST: Permits measurement of the 2 wire condition  
 LINE SURVEY: Displays 2-wire voltage and current

## Specifications:

### MISCELLANEOUS:

- Rain Sensor terminals
- Flow sensor inputs at the controller, with: Alarms: High, Unscheduled, Deviation, Main Pump Failure; adjustable delay
- Learn flow per Station
- ET Capable (Historic or ET-300-W weather station)
- Adjustable valve power output
- Remote line-of-sight radio operations (RK RFA 200)

### TUCOR WIRE:

Insulation: Polyvinylchloride  
 Jacket: Polyethylene  
 Sizes: 14-16 AWG  
 Colors: Green, Red, and Blue  
 Special order: Yellow, Orange, ±  
 Spool lengths (feet): 500, 1000, 2500 ±



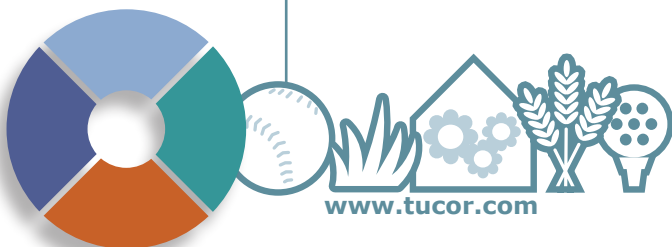
**RKLD-050**

## How to Order:

LTD IRRIGATION CONTROLLER	
Part Number	Product Description
Link Wireless Flow Gateway	
LTD	LTD Controller in 12" plastic enclosure
LTDSS	LTD Controller in 12" stainless enclosure
LTDSSx	LTD Controller in 20" stainless enclosure
LTD-LD	LTD Controller and 20 RKLD-050 Decoders
RKLD-050	Compatible 2-wire decoders

**Contact Tucor:**  
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**More information:**  
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\* Other colors and spool sizes are special order: contact Tucor for specifics. \*Using default valve power and 4 valves simultaneously. Running fewer valves simultaneously will increase maximum distance (to 17,800'); more valves simultaneously will decrease distance. Using a different valve power, changing the specified wiring type, valve distribution or connectors may reduce the number of active valves.