

RKD – Decoder Controller

The RKD is a stand-alone, decoder-based, 2-wire controller supporting from 1-100 Stations (valves). It can operate up to 12 Stations simultaneously and run 10 Programs concurrently. The RKD uses the RKL0-050 programmable line decoder, which can be addressed and tested at the controller. Integrated diagnostics test for decoder operation as well as the 2-wire path conditions.

Extraordinary flexibility for this inexpensive 2-wire controller is ensured by:

- Mist Manager – Valve operations controllable in 1 second increments
- FloStack™ – Program stacking based on flow for up to 10 simultaneous Programs
- RealNet – Real-time, Internet-based water management via GPRS wireless
- Intellisat – Smart irrigation using a host of ET-based capabilities



The RKD stand-alone 2-Wire controller supports from 1-100 valves

Specifications:

- Electrical: Input: 120 VAC, Output: 24 VAC
- Maximum Stations: 100
- Maximum Active Valves: 12*
- Master Valves: 1
- Booster Pumps: 2 (1 per program)
- Cabinet: NEMA 4 rated locking metal cabinet with internal transformer
- Dimensions: 12" H x 12" W x 5" D (approx)
- Lightning Protection: Built-in (controller only): 2-wire requires Tucor's SP-100s)
- Max. Wire Run*: 5,000' with #14/2, 2,000' with #18/2

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) 1 minute increments (4 - 999 minutes)
- 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: Addressed and tested at controller

Diagnostics:

- Decoder Test: Pass/Fail
- Short Test: Checks line condition

Miscellaneous:

- Rain Sensor terminals
- Alarm terminals
- Flow sensor inputs at controller, with: Alarms: High, Unscheduled, Deviation, Main Pump Failure; adjustable delay Learn flow per Station
- ET Capable (requires WR-7 or WR-100i weather sensor); multiple control options
- Adjustable valve power output
- Test probe for 2-wire troubleshooting
- Remote line-of-sight radio operations (RFA-200)
- Spanish or English display selectable

*Using default valve power. Using a different valve power, changing the specified wiring type, length, valve distribution or connectors may result in less capability of active stations.