LEIT XRC Controller

The LEIT XRC controller can be used as an individual controller or as a key component of the LEIT Link® irrigation management system. The LEIT XRC series utilizes two-way radio communication to correspond with a LEIT Link Remote Control Handset. This new technology allows the LEIT XRC to receive and send information to the user, to review, test and manage one, or a group of LEIT XRC controllers from a distance of up to 800 ft line of sight. The XRC incorporates all the features of the earlier models of LEIT plus and many new features, allowing the user a wide range of flexibility using two-way communication without the requirement of AC power.

Communication Software Protocol:

- Local Mode, the controller is not listening to a signal from the LEIT Remote Control Handset
- Remote Mode allows the field controller to scan for a signal from the LEIT Link handset
- ID Address is used as an individual address to identify a single controller and handset
- Group Number allows for a group of controllers or handset to be isolated from another group, which allows the user to address a group of controllers by location
- Client Code Number allows a user to have a unique identity code for their field controllers and handsets. This is a security feature, which locks out unauthorized users

Features:

- Remote programming and management capability from LEIT Link Remote Control Handset
  - ° Remote control protocol allows LEIT XRC to communicate with more than one LEIT Link Remote Control Handset
  - ° LEIT XRC radio frequency module operates in the ISM band 900-928 MHz US and Australia (866 MHz Europe)
- Operates 4, 6, 8, 10, 12, 16, 20, 24 and 28 stations plus a master valve or pump start, without AC power hookup, batteries or conventional solar panels
  - ° Terminal strip can handle 28 hot wire stations, 2 MV/P wires and 2 common wire

- Non-volatile memory holds programs indefinitely without batteries
- Liquid crystal display is easy to read under almost any daylight conditions
- Programming is easy, using a self-guided menu and four durable, sealed buttons
- Bilingual software in English and Spanish
- Functions day or night in any weather and most outdoor locations
  - ° All power is provided by an internal, photovoltaic module and micro-electronic energy management system fueled by ambient light
  - ° No direct sunlight required
- Built to the highest quality control standard (ISO 9002)
  - ° Controller functions and operations are 100% tested
  - ° Waterproofing 100% tested
- Lightning protection, the controller is fully isolated from electrical ground, offering virtual immunity to ground currents from overhead power lines and/or close proximity to lightning strikes
- Simple to install, easy access wire connector accommodates standard irrigation wire up to 12 gauge
- Environmentally friendly, uses clean power
- Assign rain, moisture or freeze sensors to an individual valve or to the entire system using the SKIT 8821-4 adapter
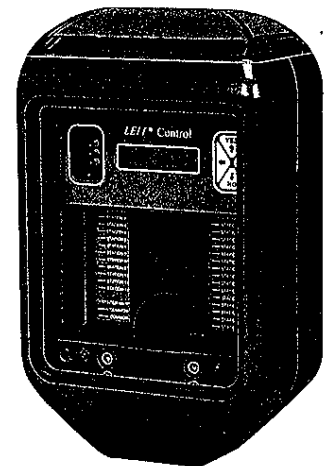
Electrical Specifications:

- Controller Input: 0-100,000+ lux. Normal operation requires average of 20,000 lux
- Controller Output: 5-volt pulse
- Reote Handset Input: 12-volts using 3.6-volt Nim/MH

Programming Features:

- Watering durations from 1 minute to 5 hours and 59 minutes
- 4 programs with 3-start times per program allow for mixed irrigation applications
- Custom programming with 7-day calendar or interval of 1-39 days in odd/even or every day rotation
- Operates drip or sprinkler systems
- Status report provides information on active programs or valve, months deactivation, rain stop activation, remote or local mode, and station short circuit (used with LEMA 1600HE only)

- Rain delay up to 99 days with auto-restart
- Individual monthly water budgeting from 10-200% in 10% increments
- History status report for each valve verifies actual watering time for current and last months
- Custom grouping of stations allows the controller to operate more than one group and any number of stations per group together (if hydraulic limitations are not exceeded)
- Manual run allows for repeat testing of individual valves, semi-automatic cycle by station with quick override via manual setup, skip to the next valve or run any of the programs

ORDERING INFORMATION	
Model	Description
XRC04	4 stations plus MV/P
XRC06	6 stations plus MV/P
XRC08	8 stations plus MV/P
XRC10	10 stations plus MV/P
XRC12	12 stations plus MV/P
XRC16	16 stations plus MV/P
XRC20	20 stations plus MV/P
XRC24	24 stations plus MV/P
XRC28	28 stations plus MV/P