RXC Specifications

The RXC irrigation controller shall be manufactured by The Toro Company. The controller shall have the following features and functions:

1.0 - Hardware Features

1.1 Available in plastic wall mount cabinet.

1.2 Conventional station configurations options range from 6 to 22 in multiples of 4.

1.3 Connectivity for one configurable NO/NC Master Valve/Pump

1.4 Connectivity for one Rain Sensor

1.5 Connectivity for one flow sensor.

1.6 3.25" fixed segment TFT LCD monochrome display and backlight.

1.7 Built-in transient protection.

1.8 Built-in lightning protection.

1.9 Lifetime retention of the user's program data without the use of batteries.

1.10 All outputs are protected from field wiring short circuits.

1.11 Modular architecture. Station output modules (4-station) facilitate maintenance and eliminates total controller down time. Modular Wi-Fi connectivity option available for connection to Toro Oasis application.

1.12 Accessible power junction box.

2.0 - Scheduling Capabilities

2.1 Operation of 6 conventional programs (A-F) with 6 start times.

2.2 Watering based on a weekly, 31-day calendar, odd/even or interval water schedules.

2.3 Water budget per program from 0 to 200% in 10% increments for adjustment of program run times.

2.4 Program by time.

2.5 One establishment program (G) for grow in schedules.

2.6 Programable rain delay up to 14 days.

2.7 Manual rain shut-off up to 7 days.

3.0 - Program Setup Options

3.1 Program overlap protection or concurrent operation.

3.2 Simultaneous station operation – 1+MV, 2+MV, or 3 stations

3.3 Inter station delay from 0 to 9 hours.

3.4 Runtimes from 1 minute to 8 hours programmable in minutes/hours.

3.5 Master valve selection: 1 configurable NO/NC with programmable option to be on/off during interstation delay. See 3.3

4. 0 - Maintenance and Alarm Diagnostic Capabilities

4.1 Flow monitoring. Automatic alarm processing (which provides station and/or master valve shut down and program advance as required) diagnosing and reporting station underflow and overflow, mainline breaks, and unscheduled flows.

4.2 Electrical field wire monitoring. Automatic alarm processing (which provides station shutdown and program advance) for station over current, short circuits, broken field wiring or faulty solenoids.

4.3 Communication monitoring. Automatic alarm generation/reporting for lost communications.

4.4 Manual test mode. Allows user to automatically advance from station to station.

4.5 Manual station and manual multi-station modes. Turns on any station for user entered runtime and automatically selects usage of the master valve and/or pump for this station. Multi-station mode allows any single station or output to be turned on individually or in combination with any other station(s).

4.6 Manually entered program. Allows user to enter a one-time program to be run immediately. The manual program is independent of automatic programs and shall start only one time.

4.7 Manual start of automatic programs (A-F). Start any program independent of the scheduled start time and water day.

5.0 - Miscellaneous Features

5.1 Compatible with Toro Oasis™ Software.

5.2 Operates as a standalone.

5.3 Automatic limit setup (learn mode) for flow. Fixed global percentage limit.

5.4 EPA WaterSense® certified.

5.5 Underwriters Laboratories (UL) listed.

5.6 5-year limited warranty.

6.0 - Electrical Specifications

6.1 Input Power Required: 120 VAC +/- 15%, 60 HZ.

6.2 Maximum load current per station, master valve or pump output: 0.4 AMP.

6.3 Maximum combined load current: 1.25 AMPS.

6.4 No batteries required.