

Looking for a rugged waterproof controller ideal for remote or isolated installations? Toro's DDCWP Series controller provides all that and more. The DDCWP is battery-operated using two 9V batteries, and controls up to 8 potted DC latching solenoids.

# **FEATURES** & BENEFITS

# **Fully Waterproof and Submersible**

Submersible up to 6.5' per IP-68 standards, allowing contractors to mount up to an 8-station controller in a valve box.

#### **Operates DC Latching Solenoids**

Controller is compatible with most manufacturers' DC latching solenoids.

# **Exclusive "Digital Dial" Technology**

Simple programming functions.

# **Unique Power Feature**

Verifies sufficient voltage level for turning stations off before turning any stations on.

## Monthly Watering Schedule

Monthly preset option – ideal for automatic runtime adjustments.

# **Easy to Use Lock-out Feature**

Press the "ON/OFF" button for three seconds to lock out the controller and protect it against vandalism. Press again to return to normal operation.

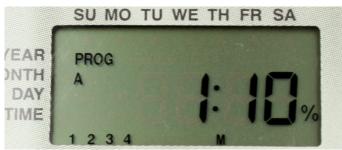




# WATER MANAGEMENT HIGHLIGHTS



1 = The first month, January



10 = 100%. 140% would be designated as 14.

#### Monthly % Adjust

DDCWP adjusts annual irrigation run time during initial controller set up. Options include from 0-200% and January to December scheduling. With easy adjusting for seasonal watering, water savings is enhanced for all-around intelligent programming.



#### Battery Cap

Easy installation of two 9V batteries with the simple screw ON/OFF lid. The battery cap provides a dependable leak-proof seal allowing submersion up to 6.5' per IP-68.



EZ-Flo $^\circ$  Plus and P-220 valves shown with the DCLS-P Latching solenoid which provide cost and labor savings.

# **SPECIFICATIONS**

## Operational

- Operating temperature: 0° 60° C
- Operates using two 9V alkaline batteries (not supplied)
- Operates one latching solenoid per station and one latching solenoid-equipped master valve
- Controller is compatible with all Toro valves accepting latching solenoids (model DCLS-P or equivalent) and competitive valve models/latching solenoids
- Accepts Toro TRS Wired RainSensor<sup>™</sup>, Wired Rain/Freeze and other normally-closed sensors
- Low-battery indicator visible on LCD screen
- Three independent programs and three start times per program
- Three scheduling choices by program:
- -Seven-day calendar
- -1 to 7-day interval
- -Odd/even with 365-day calendar and 31st day exclusion
- Station run times from one minute to four hours in one-minute increments
- Seasonal adjust by month from 0-200% in 10% increments
- Manual operation by station or program
- Self-diagnostic circuit breaker skips shorted stations
- Up to five-year program retention with on-board coin battery saves time of day and all programming features
- Vandal proof lock out feature

#### **Dimensions**

- $\bullet$  5 3/4" W x 5" H x 1 15/16" D
- Weight: 23.3 oz. without 9V battery

#### Warranty

· Three years

#### **DDCWP SERIES MODEL LIST**

| Model      | Description |  |
|------------|-------------|--|
| DDCWP-2-9V | 2-station   |  |
| DDCWP-4-9V | 4-station   |  |
| DDCWP-6-9V | 6-station   |  |
| DDCWP-8-9V | 8-station   |  |

# WIRE RUN LENGTHS FOR DDCWP

With battery voltage at 9 VDC, maximum recommended wire runs for an 8-station DDCWP are:

| Multi-strand<br>Wire | Distance (Ft.) |  |
|----------------------|----------------|--|
| 18 AWG               | 197            |  |
| 16 AWG               | 305            |  |
| 14 AWG               | 493            |  |
| 12 AWG               | 820            |  |

# Specifying Information—DDCWP

| DDCWP-X-9V   |  |           |  |
|--|--|-----------|--|
| Description  | Stations   | Voltage   |  |
| DDCWP  | XX   | 9V        |  |
| DDCWP—Digital Dial Waterproof<br>Controller                              | 2—2 Stations 6—6 Stations<br>4—4 Stations 8—8 Stations | 9V—9 Volt |  |
| Example: An 8 station DDCWP controller would be specified as: DDCWP-8-9V |  |           |  |

