

**TORO**

Count on it.

# DDC™ / DDCWP™ Series

## RESIDENTIAL CONTROLLERS

While compact in size, the DDC Series controllers pack large features including digital dial technology and a waterproof, battery-operated counterpart.



### **ECONOMICAL**

Extremely affordable for any residential or light irrigation application, the DDC Series controllers make setting up an irrigation schedule easier than ever.

### **FLEXIBLE**

By now offering indoor, outdoor and battery-operated waterproof models, the DDC Series gives contractors more choices to meet the demands of any installation.

### **LATEST TECHNOLOGY**

Patent-pending virtual dial interface simulates the simplicity of a mechanical dial while guiding you through simple programming functions.

**TORO****Count on it.****SPECIFICATIONS****DDC™/DDCWP™  
Series****KEY LOCKING  
OUTDOOR MODEL**

Protects from vandals and the elements.

**MULTI-LINGUAL  
OPTIONS**

Switch overlays to a variety of languages, including spanish.

**RAIN SENSOR  
COMPATIBLE**

Wired rain sensor (DDCWP) or wireless rain/freeze sensor (DDC Indoor and

Outdoor) available to halt irrigation when it rains, or temperature drops below a user defined point.

**TORO EXCLUSIVE  
DIGITAL DIAL**

Simulates the simplicity of a traditional dial without the moving parts.

**DC LATCHING  
SOLENOID**

The DDCWP operates the new potted DC latching solenoid

on popular valves EZ-Flo Plus, P-220 or 220 Series Brass.

**ELECTRICAL SPECIFICATIONS****DDC Series Input Power**

- 120 VAC (50/60Hz)  
*(plug-in transformer, UL/CUL approved)*
- 230 VAC (50/60Hz)  
*(plug-in transformer, CE Mark)*
- 240 VAC (50/60Hz)  
*(plug-in transformer, SAA)*
- 60 (0.50 amps) maximum

**DDC Series Station Output Power**

- 24 VAC
- 6 VA (0.25 amps) per station max
- 6 VA (0.25 amps) pump/master valve
- 12 VA (0.50 amps) total load

**MECHANICAL SPECIFICATIONS****DDC Series Indoor Controller**

- **Dimensions**  
• 5 3/4" W x 5" H x 1 1/2" D  
*(89mm x 127mm x 220mm)*
- **Weight**  
• 9 oz (280 g)  
*(without 9V battery)*
- **500 mA class 2 transformer**

**DDC Series Outdoor Controller\*\***

- **Dimensions**  
• 3 1/2" W x 8 5/8" H x 7" D  
*(89mm x 178mm x 220mm)*
- **Weight**  
• 2.5 lb (1,14 kg)  
*(without 9V battery)*

**FEATURES****Shared Features of DDC & DDCWP**

- 3 independent, stacking programs easily identified within "digital dial" interface
- 3 start times per program
- 1 to 240 minute run times
- 0 to 200% seasonal adjust (water budget) setting in 10% increments by program
- AM/PM or 24-hour time option
- True manual and manual program start
- Built-in rain delay
- Programmable master valve
- Convenient program review feature
- Easy to read faceplate in English and symbols
- 5 Year program retention, with on board coin battery
- Default program if loss of power occurs
- Conforms to electromagnetic compatibility directives (CEE, FCC and C-Tick)

**ELECTRICAL SPECIFICATIONS****DDCWP Series**

- Operates using 2 x 9V alkaline batteries *(not supplied)*
- Operates one latching Toro solenoid per station and one latching solenoid equipped master valve
- Maximum distance between controller and a latching solenoid using 1mm<sup>2</sup> (AWG #18) sized wire: 60mm (197")
- Controller is compatible with all Toro valves accepting latching solenoids (model DCLS-P or equivalent) and select competitive valve models/latching solenoids
- Accepts Toro TRS RainSensor™ and other wired rain sensors

**MECHANICAL SPECIFICATIONS****DDCWP Series**

- **Dimensions**  
• 5 3/4" W x 5" H x 1 15/16" D  
*(14.5cm x 12.6cm x 4.9cm)*
- **Weight**  
• 23.3 oz (672 g)  
*(without 9V battery)*
- **Operating temperature**  
• 0° - 60° C (32° - 140° F)

**Features Exclusive to DDC**

- Semi-auto feature to manually start programs stored in controller memory
- Self-diagnostic circuit breaker identifies irrigation faults
- Large terminal screws for easy installation and wiring

**Features Exclusive to DDCWP**

- Fully waterproof and submersible to 2m (6') per IP68 standard
- Convenient mounting bracket for easy installation in valve boxes or tight spaces
- Compatible with wired sensor
- Waterproof connectors included for all stations, master valve and optional sensor
- Low battery indicator visible on LCD screen
- Unique power feature verifies sufficient voltage level for turning stations off before turning any stations on

**Specifying Information**

	DDC	X	120	XX
<b>Description</b>	<b>Stations</b>	<b>Voltage</b>	<b>Optional</b>	
DDC-Digital Dial Controller	4 - 4 Stations 6 - 6 Stations 8 - 8 Stations	12 - 120 V ac	OD - Outdoor ID - Indoor	

Example: A 6-station DDC Controller with a 120 V ac plug-in transformer in an outdoor cabinet would be specified as: **DDC-6-120-OD**

**Specifying Information  
Waterproof Model**

	DDCWP	X	9V
<b>Description</b>	<b>Stations</b>	<b>Voltage</b>	
DDCWP-Digital Dial Waterproof Controller	2 - 2 Stations 4 - 4 Stations 6 - 6 Stations 8 - 8 Stations	9-Volt	

Example: An 8-station DDC Controller with a 9-volt transformer in a waterproof cabinet would be specified as: **DDCWP-8-9V**

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490-3107 Specifications subject to change without notice. For more information, contact your local Toro distributor. ©2006 The Toro Company. All rights reserved.

\*\*Contact your local distributor for availability of DDC outdoor cabinet models.