TORO. Count on it.

TBCWP

Toro Battery Controller Waterproof

The Toro TBCWP sets a new standard for battery-operated controllers by offering several advanced water-saving features, such as monthly program season adjust and Rain Sensor compatibility. Vandal prone or remote locations without access to electrical power can now reap the advantages of intelligent irrigation control. The easy-to-use handheld programmer allows users to operate up to 99 control units located up to 50 meters away. And for those with existing battery control systems, both the TBC handheld and control unit are compatible with most existing competitive systems.

Key Features

- Control units available in 1, 2, 4, and 6 stations with optional radio communication to handheld pre-installed control units
- Four independent programs with 10 start times per program
- Two 9-volt alkaline batteries (not included) provide sufficient power to last an entire irrigation season
- Fully waterproof to IP68 standard, submersible to 2 meters (6')
- Irrigation run times can be set for the entire year and adjusted using the monthly percent adjust from 0-300% in 10% increments
- Accommodates normally closed Rain and Moisture sensors
- Users able to create up to 99 programs that can be stored and then easily downloaded to any TBC controller
- Visual confirmation of sent and received commands
- TBC Handheld comes with built-in infrared cable to connect directly to controller for easy programming
- Communicate 30-50m (98'-164') from TBC handheld to control unit with radio preinstalled
- Wire length runs up to 60 meters (197') using 1mm² (18 AWG) multi-strand wire

TBCWP

Specifications

- TBCWP Product Dimensions:
  98 x 85 x 132 mm (3.85" x 3.35" x 5.20") (W x H x D)
- TBCWP Product Weight: 0.75 kg (1.65 lbs)
- TBC-HH Product Dimensions:
  76 x 51 x 159 mm (3.00" x 2.00" x 6.25") (W x H x D)
- TBC-HH Product Weight: 0.23 kg (0.50 lbs)
- TBCWP Input Power: two 9-volt DC alkaline batteries (not supplied)
- TBCWP Station Output Power: operates one DC latching solenoid per station (compatible with Toro and most competitive DC solenoids)
- TBC-HH Input Power: one 9-volt DC alkaline battery (not supplied)
- Operating Temperature: 0°C - 60°C (32°F to 140°F)
- Storage Temperature (excluding battery):
  -30°C to 65°C (-22°F to 149°F)
- Maximum distance between TBCWP controller and a DC latching solenoid using 1mm² (18 AWG) wire: 61m (200')

Wire Run Lengths for TBC

With battery voltage at 9 VDC, maximum recommended wire runs for an 6-station TBC are:

Multi-strand Wire		Distance	
mm²	AWG	Meters	Feet
1,0	18	60	197
1,5	16	93	305
2,5	14	150	493

TBC Series *Specifying Information*

TBCWP-X-X		
Description	***Stations***	***Communications***
TBCWP — Toro Battery Controller, Waterproof	1 — 1 station 2 — 2 station 4 — 4 station 6 — 6 station	(blank) — Infrared Port Only R — Built-in Radio with Infrared Port
Example: A four station TBCWP controller without a built-in radio would be specified as: **TBCWP-4** A four station TBCWP controller with a built-in radio would be specified as: **TBCWP-4-R**		

TBC Remote Series *Specifying Information*

TBC-HH	
Description	***Remote***
TBC — Toro Battery Controller	HH — Hand Held
Example: A TBC remote would be specified as: **TBC-HH**	

Additional Features

- Three scheduling choices by program:
  - Visible seven day calendar
  - 1-31 day interval
  - Odd/even with 365 day calendar and 31st day exclusion
- Station run times from 1 minute to 12 hours in 1 minute increments
- Station delay from 1 to 30 minutes
- Stations can be assigned to any of the four programs
- Ability to assign rain sensor by program
- Rain delay from 1-14 days
- Controller "Off" function
- Manual operation by station or by program
- Low-battery indicator for control units and for handheld programmer on handheld programmer screen
- Non-volatile memory stores program data should batteries lose power
- Special "circuit verification" checks for ample power level in controller before sending an "on" pulse in order to prevent valves from remaining opening
- "Power save" mode allows for radio transmission of control unit to be turned off for a set time in order to extend battery life
- User able to obtain control unit's programming code through handheld programmer if lost or forgotten
- Communication and programming still possible when control unit submerged
- Backlit display makes TBC handheld easy to read
- AM/PM or 24 Hour Display
- Station output short detection allows for faster troubleshooting

Dealer Stamp

Count on it.

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