



TORO TDC SERIES CONTROLLERS

The TDC (Turf Decoder Controller) system provides a durable, cost-effective alternative to traditionally wired irrigation control systems. Using a 2-wire path to communicate to buried decoders, the TDC is vandal-resistant, easy-to-install and easy to expand.

- 20 KV surge protection with proper grounding of 10 Ohms or less at the controller
- 10 independent irrigation programs
- Six start times per program
- Day of the week programming, odd/even, interval (1-31 days)
- 0-255% adjust by controller, by program, by station
- Day Exclusion (remove a day from standard program)
- Programmable master valve and pump start, by station
- Manual start of each station or entire program
- Non-volatile memory retains programming
- Self-diagnostics circuit breaker skips shorted/open stations
- Two-way confirmation of decoder activation
- Activate up to 20 solenoids at up to 2.8 miles away
- Programmable rain delay up to 31 days
- Water window calculator
- 10-digit alpha-numeric zone identification
- Remote-Ready and RainSensor™ -compatible
- Upgradeable to Sentinel® Central Control
- Utilizes DC latching solenoids for valve control



Features:

NEW ISP DECODERS	Industry leading surge protections up to 20 KV means less grounding in the field than competitive products.
ADVANCED DIAGNOSTICS	The TDC provides true two-way communication with each decoder in the field, thus providing communication verification to decoders in the field, as well as shorted or open solenoid conditions, making troubleshooting a breeze.
LOW-POWER OPERATING COSTS	The TDC Decoders operate DC Latching Solenoids which utilize no power when valves are in operation.
WATER BUDGET	Water budget by controller, by program and by station (Season Adjust) 0 to 250% in 1% increments.
SIMPLE, INTUITIVE PROGRAMMING	Installation and future servicing are quick and simple thanks to the large LCD display and the industry's most intuitive interface

Specifications:

ELECTRICAL INPUT POWER	240 V AC, (50 Hz)
STATION OUTPUT POWER	Up to 38 V AC maximum 3 amps maximum output
WIRING-TWO WIRE PATH	Jacketed, white/black pair 2.5mm ² to 4.5km
WIRING-DECODER TO SOLENOID	Standard pair 1mm ² to 100m, 1.5 mm ² to 150m
CABINET DIMENSIONS	35½ W x 33½ H x 15cm D

Modular Design:



The base model of the TDC offers 100 stations with capability to add another module allowing up to 200-station control. This is ideal for phased projects.

Independently fused wire paths (4 per 100 stations = 8 for 200 stations) provide protection to the controller in the event of a short in field wiring.

Model List:

MODEL	DESCRIPTION
METAL PEDESTAL MOUNT	
CDEC-SA-100	100-station, with remote connection
CDEC-SA-200	200-station, with remote connection
CDEC-PED-100	100-station, Two-wire controller on stainless steel pedestal
CDEC-PED-200	200-station, Two-wire controller on stainless steel pedestal
TWO-WIRE STATION DECODERS	
CDEC-ISP-1	1-station with integrated surge protection
CDEC-ISP-2	2-station with integrated surge protection
CDEC-ISP-4	4-station with integrated surge protection
(all operates up to two solenoids)	

QUALITY BRANDS, EXCEPTIONAL SERVICE.

