



— MODEL — **CTC-33**

# Electronic Timer Control



- Precise valve on-off control
- Completely self-contained
- Programmable daylight savings times
- Two Year Battery Life
- Retains stored data even after battery is depleted
- Direct control of valve opening and closing 4 times daily
- Interval Timing Capable
- IP68 submersible
- Use this valve for Pressure Management and Water Quality Control applications
- Combines with pressure, flow or level control
- Ideal for remote valve location control

## CTC-33 Electronic Timer Control Specifications

Maximum Pressure:	232 psi (16 bar)
Temperature Range:	14° - 176°F (-10° - +80°C)
Battery:	14° - 140°F (-10° - +60°C)
Enclosure Protection:	IP68; Validated 1 month at 0.2 bar (2m water depth)
Battery Type:	Lithium 9V/PP3 (Lifetime: ~2 years for 2 actions/day @ 20°C)
Solenoid:	3-Way Bi-Stable Orifice Size: 0.05 in (1.2mm) Voltage: 6VDC (minimum)
Rules:	Up to 6 actions (3X opening-closing per day) • Time and calendar
Fluids:	Water
Port Size:	1/8-inch FNPT Threaded

The Cla-Val CTC-33 Electronic Timer Control is a battery powered, programmable on-off control used for opening and closing Cla-Val main valves according to time schedule. Up to four opening and closing times per day can be set for a weekly schedule.

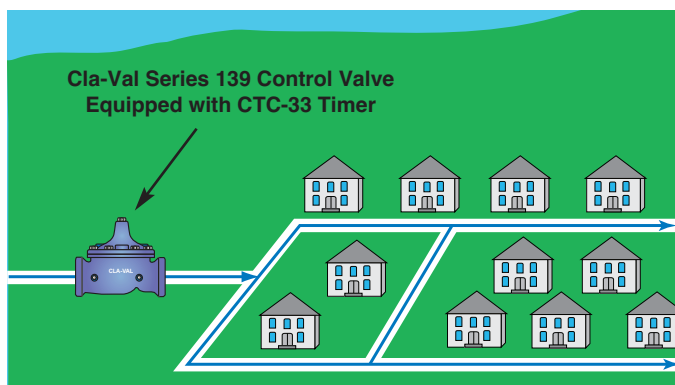
The CTC-33 offers powerful valve control for remote locations and valve automation applications.

## Materials

Electronic Enclosure:	PVC
Solenoid Body:	Stainless Steel
Seals:	NBR
Programming Interface:	Compatible with Windows 8, 7 Vista and XP

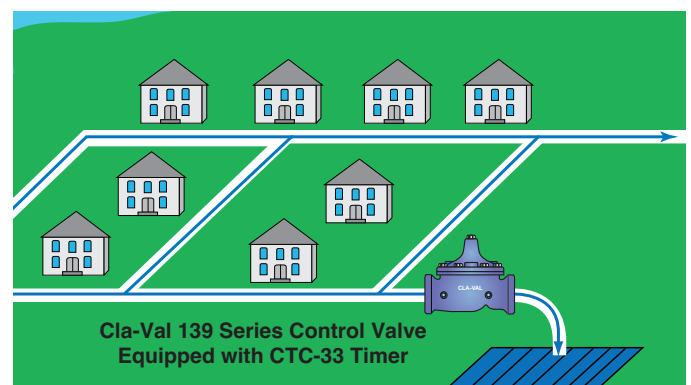
## CTC-33 Electronic Timer Control Typical Applications

### Pressure Management / Water Savings



The CTC-33 Timer Control is used for pressure management applications in water distribution systems where SCADA control is not available. Use a 139 Series Cla-Val Pressure Control Valve equipped with the CTC-33 Timer to change pressure during periods of high and low demand according to pre-set schedule to reduce leaks and pipe burst frequency, while delivering adequate supply.

### Maintaining Water Quality

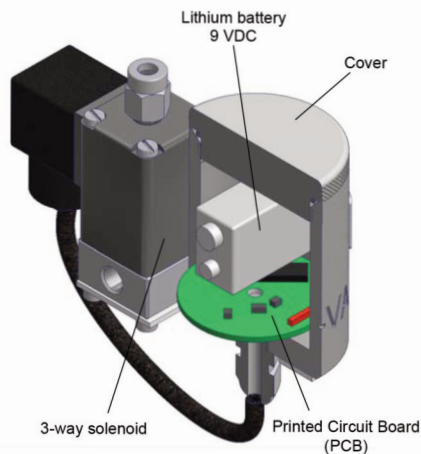


The CTC-33 Electronic Timer Control is used in 139 Series Control Valves to automate circulating water requirements in distribution system applications. Valve opening and closing time of day and duration can be set according to system requirements for convenient flushing and circulating during times of low flow to optimize water quality.

## Electronic Timer Control

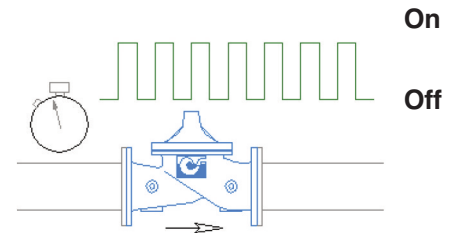
Simple • Reliable • Exceptional Control

### CTC-33: A rule-based programmable timer control



**Example of a typical assembly:**  
Cla-Val 139 Series Control Valve  
with the CTC-33 Electronic Timer Control

### CTC-33: Operating Mode



**Time Mode:** Daily On/Off cycles; programmable on a 7 day/week cycle/Interval Timing

### Custom USB Cable

- Orange USB Communications Cable is required for programming and monitoring.
- Free downloadable software at:  
[www.cla-val.com/software-driver-library.php](http://www.cla-val.com/software-driver-library.php)
- Stock number 20519203A



**When ordering the CTC-33, please specify:**  
Stock number 20740103D

visit [www.cla-val.com](http://www.cla-val.com) for more information  
Call the factory at 800.942.6326  
Email us at [info@cla-val.com](mailto:info@cla-val.com)