

# Conductivity Controller LCTC-2



## FEATURES

- \* Applications in cooling towers, de-mineralisation equipment, reverse osmosis, water softeners etc.
- \* Conductivity 0-199,999us in 4 ranges
- \* Set points for conductivity or temperature control.
- \* Calibration easily performed by removing sub-panel
- \* Optional instruments and electrodes available to further enhance the performance of the LCTC-2
- \* Relays rated at 240 VAC/5A
- \* Mode selection
- \* Thermo plastic enclosure with transparent cover rated to IP53 specs.

[liquid@liquidcontrols.com.au](mailto:liquid@liquidcontrols.com.au)

[www.liquidcontrols.com.au](http://www.liquidcontrols.com.au)

# Liquid Controls (Aust) Pty Ltd

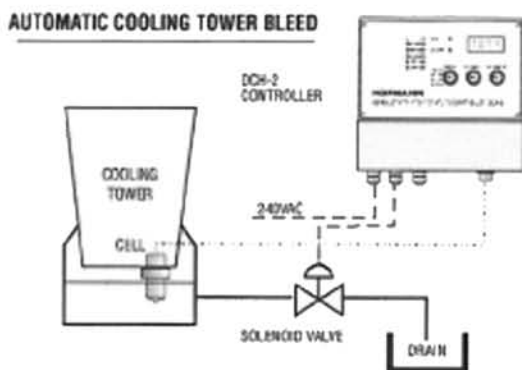
3/1 Quist Crt.,  
Dandenong Vic. 3175

P O Box 4174  
Dandenong Sth. Vic 3164

Tele: 03 9794 7066  
Fax: 03 9794 0641

## SPECIFICATIONS

- Display:** 3 1/2 digit LCD display
- Signal output:** 4-20mA constant current output. Select conductivity or temperature with DIP switch. Output fully isolated from instrument.
- Power:** 240VAC 50Hz 7VA max.
- Housing:** Thermoplastic with transparent lid. Rated IP 55
- Dimensions:** (W)215mm x (H)185mm x (D)115mm.
- Conductivity Range:** 4 ranges selected with DIP switches.  
0-199.0uS, 0-1999uS,  
10-19,999uS, 10-199,999uS
- Temperature compensation:** 0-100°C, fully automatic, compensation factor is adjustable from no compensation to a factor of 0.2 at 100°C Celsius.
- Set point control:** System 1 and System 2 can be configured separately for up/down dosing with conductivity or temperature.
- Relay output:** 2 relays with changeover contacts. Maximum rating 240VAC/Amps. (non inductive) Set point adjustment fully independent over entire selected range.
- Cell:** 3/4" BSP thread inline type (polypropylene) with moulded 4 pin socket for cable connection. (Immersion or high temp. electrode available as optional extra.)



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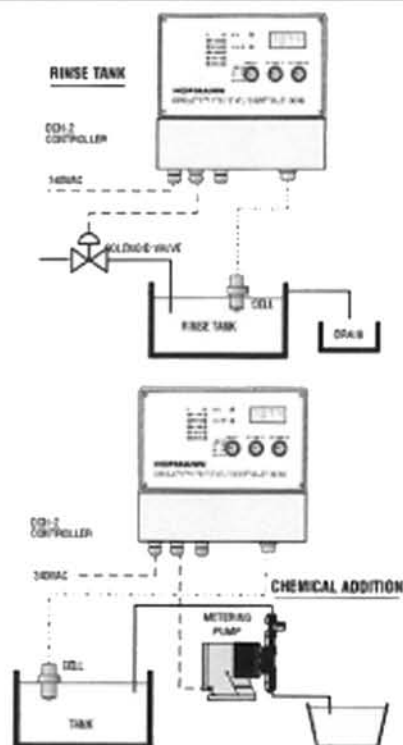
The **LCTC-2** is well suited to operate in the hot and damp conditions often present around boilers, cooling towers and industrial sites.

The LCD 3 1/2 digit display shows either temperature, conductivity or SET POINT 1 and 2. Two small red LED's indicate the selected x1 or x1000 conductivity range. The SET POINTS can be configured for up/down dosing, tracking the conductivity or temperature.

The **LCTC-2** can monitor and/or control conductivity and temperature simultaneously in an installation with the proper selection of the SET POINT configuration.

The inherent accuracy of the 4-20mA constant current output and electrical isolation makes it possible to interface into a microprocessor or logic controller to further expand the combination of installations with the **LCTC-2**

## APPLICATIONS



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Liquid Controls (Aust) Pty Ltd  
3/1 Quist Court  
Dandenong Vic 3175  
Tele: 03 9794 7066 Fax: 03 9794 0641