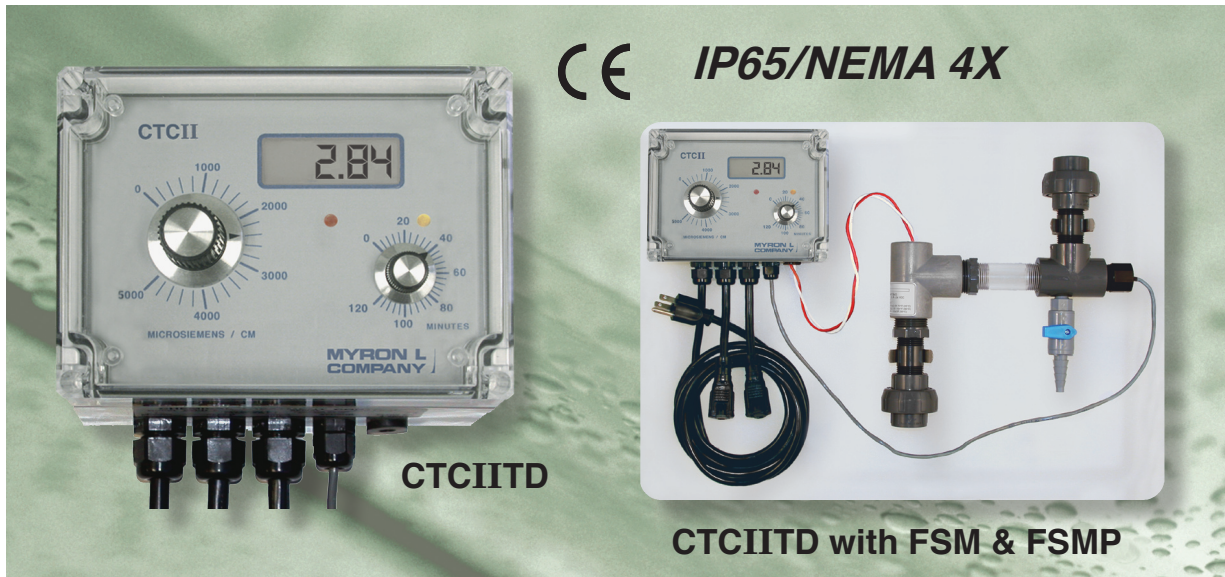


# CTCII™ CONDUCTIVITY/TDS

Chemical Treatment Controller/Cooling Tower Controller



## FEATURES:

- 0-5000 microsiemens or ppm
- IP65/NEMA 4X water resistant & corrosion proof enclosure
- Clear, screw down lid allows great visibility while discouraging unauthorized adjustment
- Comes complete with an easily installed CSAR sensor, or for those more demanding jobs, the optional CS51R sensor
- Single set point/alarm
- Easy knob adjustment of set point
- LED shows “above/below” Alarm/control status
- 10 amp relay operates on increasing reading
- Adjustable set point hysteresis
- Automatic 25°C temperature compensation
- Includes power cords
  - One (1) input power cord
  - Two (2) output plugs
- Selectable 115/230 VAC
- Some options include:
  - 3½ or 4½ Digit Backlit LCD
  - 4-20 mA Output Module
  - 24 VAC Isolated Power Supply
  - 24 VDC Isolated Power Supply
  - CS51R sensor

## BENEFITS:

### Save Money & Time:

- **Decrease downtime**
- **Increase system life**
- **Increase number of cycles**
- **Reduce wastewater discharge**

Designed  
Specifically  
for Chemical  
Treatment -  
Excellent for  
Cooling Towers

The unique circuitry of the CTCII™ Chemical Treatment Controller guarantees accurate and reliable measurements. Drift free performance is assured by “field proven” electronics, including automatic DC offset compensation and highly accurate drive voltage.

Since Temperature Compensation is at the “heart” of accurate water measurement, all Myron L CTCII controllers feature a highly refined and precise TC circuit. This feature perfectly matches the

water temperature coefficient as it changes. All models corrected to 25°C.

Standard on all models are two heavy-duty 10 amp output relays, operating on increasing readings. Bright red/green LED indicates above or below set point values.

All CTCII models feature a compact IP65/NEMA 4X water resistant and corrosion proof rated enclosure 4.7 x 6.3 in./120 x 160 mm. They are suitable for bench or surface mounting.

## 4 MODELS TO CHOOSE FROM\*:

- **CTCII**
- **CTCIIT (with Limit Timer)**
- **CTCIID (with 3½ Digit LCD)**
- **CTCIIITD (with Limit Timer & 3½ Digit LCD)**

\*Custom & OEM Models available

**MYRON L  
COMPANY**  
Water Quality Instrumentation  
Accuracy • Reliability • Simplicity

## SPECIFICATIONS

<b>Ranges</b>	0-5000 $\mu\text{S}(\mu\text{M})$ / ppm 442™
<b>Display</b>	Models CTCII & CTCIIT: NONE Models CTCIID & CTCIITD: 1/2 in./13 mm 3½ Digit LCD; opt. 3½ or 4½ Digit Backlit
<b>Accuracy</b>	± 1% of full scale
<b>Sensitivity</b>	0.05% of full scale
<b>Stability</b>	0.05% of full scale
<b>Repeatability</b>	0.1% of full scale
<b>Calibration Check</b>	Built in
<b>Voltage Output</b>	0-10 VDC @ 5 mA max. (linear); standard all models
<b>Sensor Inputs</b>	1
<b>Control Function</b>	Single Alarm/Controller fully adjustable 0-100% of full scale Hysteresis: Adjustable from 0.3-6% of full scale Indicators: Above (red) and below (green) set point LED Contact Rating: SPDT 10 amp @ 125 VAC, 30 VDC. Relay operates increasing reading Fuse Output: 5 amp x 2
<b>Power</b>	115/230 VAC, 50/60 Hz, ±15% (user selectable)
<b>Max Power Consumption</b>	@ 115V: 100 milliamps
<b>Dimensions</b>	4.7 H x 6.3 W x 4.7 D in. / 120 H x 160 W x 120 D mm
<b>Construction</b>	Fully gasketed heavy-duty ABS case; water resistant and corrosion proof IP65/NEMA 4X rated
<b>Ambient Temperature Range</b>	32° to 140°F/0°C to 60°C
<b>Weight</b>	2 lbs./0,9 kg

## TO ORDER CTCII COND/TDS CONTROLLER:

<b>CHOOSE: MODEL</b>		<b>— OPTIONS</b>	
CTCII	Controller	-35BL	3½ Digit Backlit LCD
CTCIIT	Controller w/ Limit Timer	-45BL	4½ Digit Backlit LCD
CTCIID	Controller w/ 3½ Digit LCD	-C4A	4-20 mA Output
CTCIITD	Controller w/ Limit Timer & 3½ Digit LCD	-24VA	24 VAC Power Supply
		-24VD	24 VDC Power Supply
		-CS51R	Stainless Steel Sensor

### Examples:

Model CTCIITD-45BL is a Controller with Limit Timer and a 4½ Digit Backlit LCD. Above CTCII controller INCLUDES a CSAR sensor with 10 ft./3 meter cable. Add -CS51R to above number for optional sensor (for those more demanding applications), i.e. CTCIITD-45BL-CS51R.

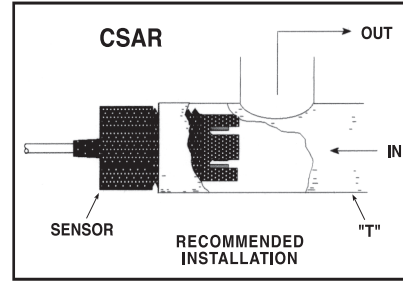
**Note:** CTCII models may be field upgraded. See Accessories & Options.

## ACCESSORIES & OPTIONS

MODEL	DESCRIPTION	<b>Note:</b> Custom & OEM models available. Price and availability upon request.
CLTMO	Limit Timer Module	
C4AO	4-20 mA Output Module	
442-3000	Calibration Solution	
35O	3½ Digit LCD	
35BLO	3½ Digit Backlit LCD	
45BLO	4½ Digit Backlit LCD	
FS4	Flow Switch	
FSM	Flow Switch & Manifold	
FSMP	Mounting Panel (horizontal or vertical mounting)	
MBV	Mini Ball Valve (Sample Port)	
TFM4	"T" Fitting 3/4" SCH 80 (for CSAR Sensor & Mini Ball Valve)	
SQCO	Quick-Connect, sensor cable M/F	

## SENSORS

### CSAR (INCLUDED with package)



### SPECIFICATIONS — CSAR

**Temperature Compensation:** Integral temperature sensor allows automatic TC to 25°C between 0-100°C/32-212°F.

**Pressure/Temperature Limits:** 75 psi/5,2 bar @ 60°C/140°F.

**Material:** ABS plastic body, 316 Stainless Steel electrodes.

**Dimensions:** 3/4" MNPT, electrode length - .75 in./19 mm.

**Cable:** 24 ga. shielded, 10 ft./3 meters standard; 25 ft./8 meter & 100 ft./30 meter lengths available. 100 ft. is maximum recommended.

**Note:** SCH 80 installation with CSAR sensor requires "T" Fitting (#TFM4).

### OPTIONAL SENSORS

**CS51R** stainless steel sensor, for those more demanding applications, is available upon request.

**Pressure/Temperature Limits:** 100 psi/6,9 bar @ 100°C/212°F.

The sturdy polypropylene bushing is modular for easy inexpensive replacement. Several alternatives for the metal portion of the sensor are available, depending on the demands of the application.

Additional high pressure, high temperature sensors are available on special order.

## TO ORDER SENSOR OPTIONS:

Add as Required:

### Cable Lengths

-25	25 ft./8 meter Cable
-100	100 ft./30 meter Cable
-SQC	Quick-Connect, sensor cable M/F (available for all applicable sensors)

### CS51R

-T	Titanium (in place of Stainless Steel)
-PV	1/2" NPT PVDF Bushing (Replaces Polypropylene)
-HPSS	1/2" NPT 316 Stainless Steel Bushing (Replaces Polypropylene)

**Note:** To order a SPECIAL sensor: Example: CS51R-T-25-HPSS  
See Price List for more details.

## LIMITED WARRANTY

All Myron L CTCII Controllers and sensors have a Limited Two (2) Year Warranty. If any controller or sensor fails to function normally, return the unit to the factory prepaid. If, in the opinion of the factory, failure was due to materials or workmanship, repair or replacement will be made without charge.

A reasonable service charge will be made for diagnosis or repairs due to normal wear, abuse or tampering. Warranty is limited to the repair or replacement of controller or sensor only. The Myron L Company assumes no other responsibility or liability.

Legacy Pumps & Instruments, LLC  
PO Box 426  
Mineral Wells, TX 76068-0426  
214-384-5303 -or- 817-793-0485  
www.legacypumpsllc.com

