CTCII™ CONDUCTIVITY/TDS
Chemical Treatment Controller/Cooling Tower Controller

OVER 50 YEARS

MADE IN USA

CE

IP65/NEMA 4X

CTCIITD
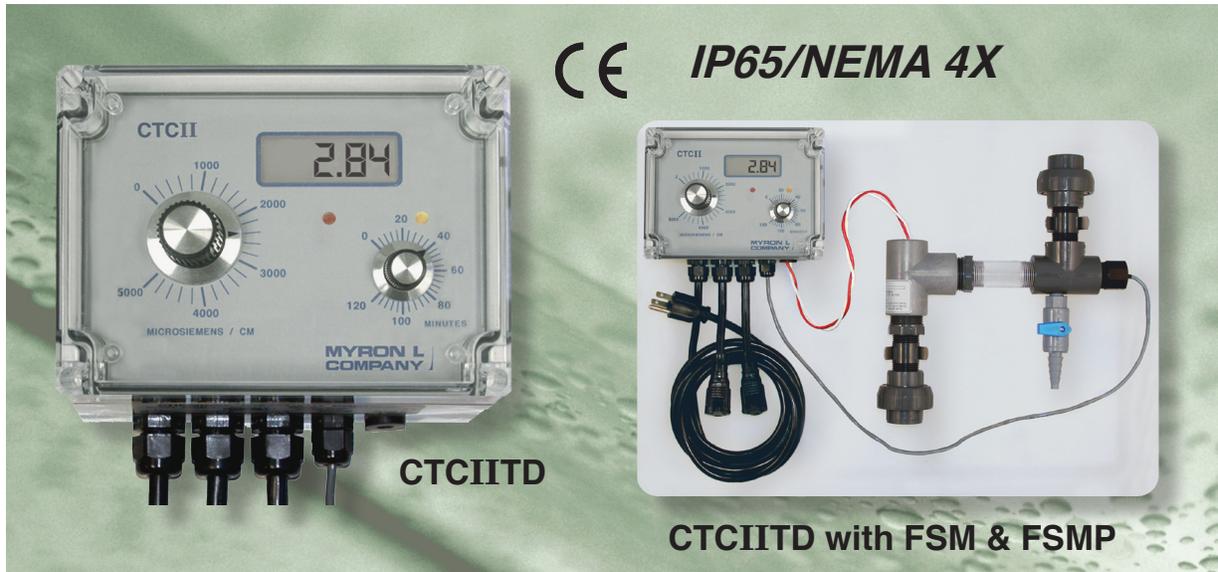
CTCIITD with FSM & FSMP

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)**
- **CTCIITD (with Limit Timer & 3½ Digit LCD)**

Custom & OEM Models available

MYRON L COMPANY
Water Quality Instrumentation
Accuracy • Reliability • Simplicity

SPECIFICATIONS

Ranges	0-5000 $\mu S(\mu M)$ / ppm 442™
Display	Models CTCII & CTCIIT: NONE Models CTCIID & CTCIITD: 1/2 in./13 mm 3½ Digit LCD; opt. 3½ or 4½ Digit Backlit
Accuracy	$\pm$ 1% of full scale
Sensitivity	0.05% of full scale
Stability	0.05% of full scale
Repeatability	0.1% of full scale
Calibration Check	Built in
Voltage Output	0-10 VDC @ 5 mA max. (linear); standard all models
Sensor Inputs	1
Control Function	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
Power	115/230 VAC, 50/60 Hz, ±15% (user selectable)
Max Power Consumption	@ 115V: 100 milliamps
Dimensions	4.7 H x 6.3 W x 4.7 D in. / 120 H x 160 W x 120 D mm
Construction	Fully gasketed heavy-duty ABS case; water resistant and corrosion proof IP65/NEMA 4X rated
Ambient Temperature Range	32° to 140°F/0°C to 60°C
Weight	2 lbs./0,9 kg

TO ORDER CTCII COND/TDS CONTROLLER:

CHOOSE: **MODEL — OPTIONS**

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 &		-24VA	24 VAC Power Supply
	3½ Digit LCD		-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	
CLTMO	Limit Timer Module	*Note:*
C4AO	4-20 mA Output Module	*Custom & OEM*
442-3000	Calibration Solution	*models available.*
35O	3½ Digit LCD	*Price and availability*
35BLO	3½ Digit Backlit LCD	*upon request.*
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)

CSAR — RECOMMENDED INSTALLATION — SENSOR, OUT, IN, "T"
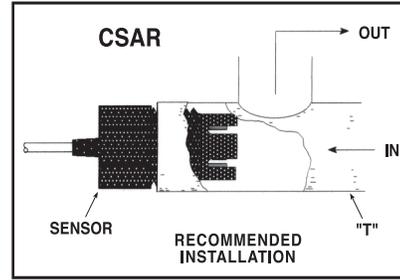
SPECIFICATIONS — CSAR

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.

Built On Trust. Founded in 1957, the Myron L Company is one of the world's leading manufacturers of water quality instruments. Because of our commitment to product improvement, changes in design and specifications are possible. You have our assurance any changes will be guided by our product philosophy: accuracy, reliability, and simplicity.