

INSTRUCTIONS



CTC Series

AC Current Transmitter

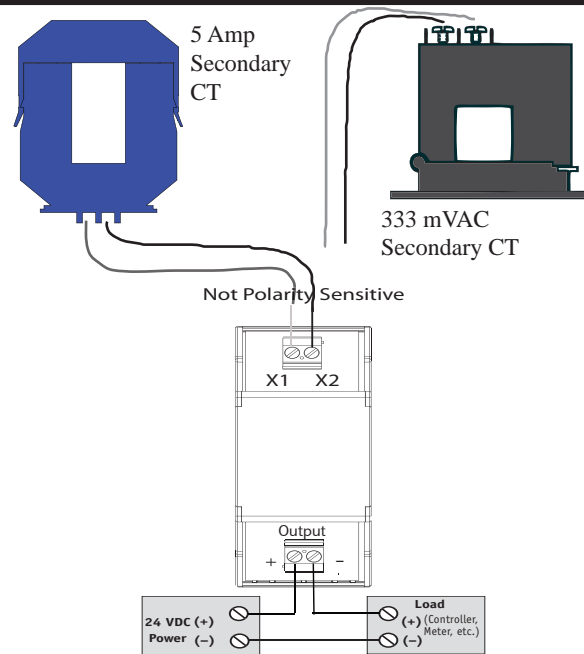
Specifications

Input	0-5 amp CT secondary 0-333VAC CT secondary See ordering information
Output Type	4-20 mA, loop powered using a Class 2 power supply
Mounting	Standard DIN rail or panel
Case	ABS Plastic, UL94V-0
Dimensions	1.4"W x 3.53"D x 2.39"H (35.6mmW x 89.7mmD x 60.7mmH)
Environmental	-20 to 50 Deg C 0-95% RH, Non-condensing
Listings	UL and UL-C Approved, CE and RoHS compliant

VERY IMPORTANT!

DOUBLE CHECK THAT THE CT OUTPUT MATCHES THE CONVERTER INPUT! 5 AMP SECONDARY CTs CANNOT BE CONNECTED TO 333 mVAC CONVERTERS, AND VICE VERSA

Application



Use any **5 amp secondary** current transformer, over the monitored circuit conductor, and the CTC-05A-420-24L-DIN transmitter will change that signal into the industry standard 4-20 mA signal for use with most programmable logic controllers, panel meters or data acquisition systems.

The CTC-333-420-24L-DIN **cannot** be used with 5 amp secondary CTs, and **must be used with NK ProteCT® low voltage output type CT.**



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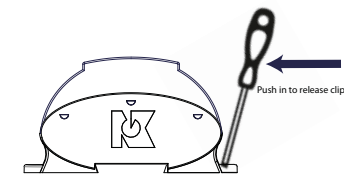
Models Covered

Model	Output	Input
CTC-05A-420-24L-DIN	4-20mA	5 A CT
CTC-333-420-24L-DIN	4-20mA	0.333 VAC

Instructions

- Mount the CTC transmitter to a standard DIN rail.
- Attach the current transformer (CT) leads. The attachment is not polarity sensitive. The CT must be de-energized. **BE SURE THE CT OUTPUT MATCHES THE CONVERTER INPUT REQUIRED!**
- Connect control wiring.
 - Use up to 12-22 AWG copper wires. Tighten terminals to 5-7 inch-pounds torque.
 - Connect a Class 2, 24 VDC power supply in series with the output signal. The CTC requires no more than 2 VA to operate.
 - Connect the output signal to the controller
 - Transmitter produces 20mA when there is AC current through the CT aperture at the range or ratio limit.

To mount on DIN rail: Orient transducer so that input terminals X1 and X2 are upright/on top of unit and snap securely onto DIN rail. To remove, insert small screwdriver into the lower mounting hole of the spring loaded clip, and push the handle end of the screwdriver toward the sensor base to release the tension on the rail.



Troubleshooting

- Transmitter produces no signal**
 - Check the wiring to the controller, especially polarity.
 - Check the monitored circuit to be sure it is energized
- Signal stays at 4mA.**
 - Reverse output wiring to correct polarity
- Signal stays at 20mA**
 - Check that the monitored circuit does not draw more than the rating of the current transformer
 - Change to a higher rated Current Transformer if needed