

MODEL 276XR

Current Transmitter/Receiver

- Allows longer transmission lines from CT to current monitor
- No external power required
- Convenient socket mounting
- Five year unconditional warranty



DESCRIPTION

The Model 276XR Current Transmitter/Receiver consists of two identical modules. One module accepts the input from a standard CT, while the second module is connected to a current monitor. The transmission lines between the two modules can be up to 1000 feet long.

The input module will accept any current input from zero to 5 amps, while the output module will produce a zero to 5 amp signal. Line loss across 1000 feet is no more than 6% of the input. The Model 276XR module will operate with any AC current from 50 to 400 Hz. No supply voltage is required to operate the transmitter/receiver link.

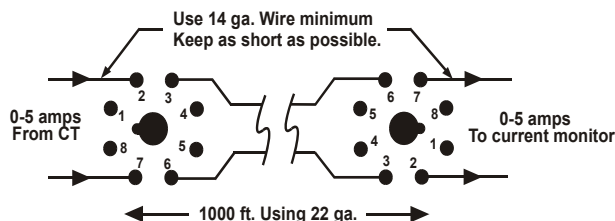
SPECIFICATIONS

Model	276XR
Supply voltage	none required
Input current	Zero to 5 amps
Output current	Zero to 5 amps
Frequency range	50-400 Hz
Max. line loss	6%
In/out line	14 ga. wire
Transmission line	22 ga. wire
Transmission line length	1000 feet
Operating temperature	- 20° to +131° F
Humidity tolerance	0-97% w/o condensation
Mounting	8-pin socket (*order separately)
Weight (each)	4.9 oz.

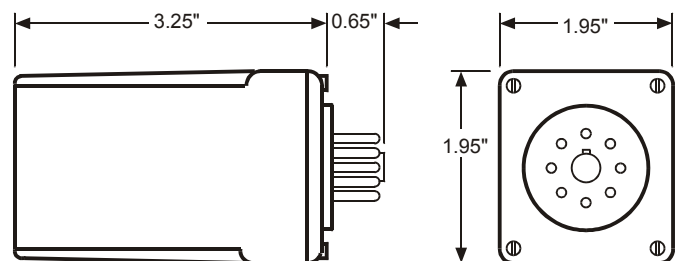
*order 8-pin socket number 51X120

TYPICAL APPLICATION

CONNECTION DIAGRAM



DIMENSIONS



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MODEL 276XR Current Transmitter/Receiver

READ ALL INSTRUCTIONS BEFORE INSTALLING, OPERATING OR SERVICING THIS DEVICE.
KEEP THIS DATA SHEET FOR FUTURE REFERENCE.

GENERAL SAFETY

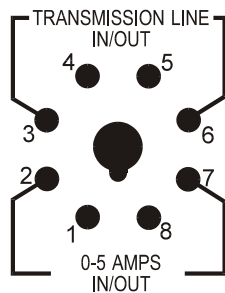
POTENTIALLY HAZARDOUS VOLTAGES ARE PRESENT AT THE TERMINALS OF THE MODEL 276XR.
ALL ELECTRICAL POWER SHOULD BE REMOVED WHEN CONNECTING OR DISCONNECTING WIRING.
THIS DEVICE SHOULD BE INSTALLED AND SERVICED BY QUALIFIED PERSONNEL.

Installation Instructions

INSTALLATION

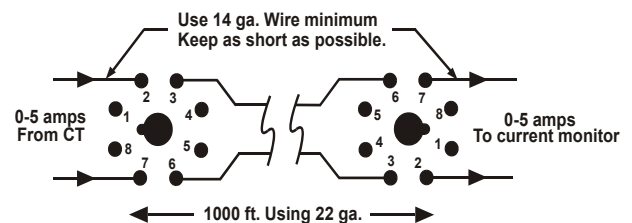
1. Place the two Model 276XR's next to each other with one of the models turned 180° so that it is facing opposite the other.
2. Connect the two transmitter/receivers (CTR's) together using 22 gauge wire, as shown in the diagram on the front of the page.
3. Using 14 gauge wire, connect pins 2 and 7 of one of the CTR's to the current transformer (CT) to be used.
4. Connect the other CTR to your current monitor with 14 gauge wire.

PIN CONNECTION



TYPICAL APPLICATION

CONNECTION DIAGRAM



TROUBLESHOOTING

Should these units fail to operate properly check to make sure that all wires are connected properly to the correct pins as shown on the front page. If problems still persist, contact your local Distributor, or the manufacturer at **800-862-2875**.

WARRANTY

This product is warranted to be free from defects in materials and workmanship, and is covered by our exclusive **5-year Unconditional Warranty**. Should this device fail to operate for any reason, we will repair it for five years from the date of manufacture. For complete warranty details, see the Terms and Conditions of Sales page in the front section of the Time Mark catalog or contact Time Mark at 1-800-862-2875.



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