INSTRUCTION MANUAL

CT TRANSDUCER

(super-miniature size; self-powered, average sensing, RMS calibrated)

MODEL **LECA**

BEFORE USE ....

Thank you for choosing us. Before use, check the contents of the package you received as outlined below.
If you have any problems or questions with the product, please contact our sales office or representatives.

■ PACKAGE INCLUDES:

Transducer.....(1)

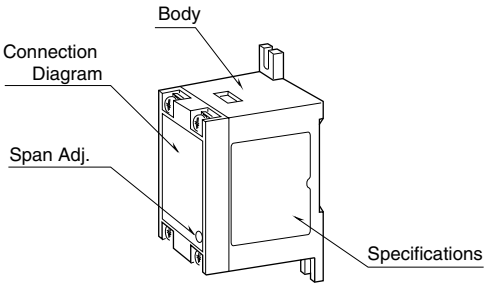
■ MODEL NO.

Confirm that the model number described on the product is exactly what you ordered.

■ INSTRUCTION MANUAL

This manual describes necessary points of caution when you use this product, including installation, connection and basic maintenance procedures.

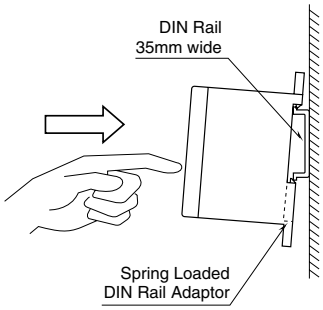
COMPONENT IDENTIFICATION



INSTALLATION

■ DIN RAIL MOUNTING

Set the unit so that its DIN rail adaptor is at the bottom. Hang the upper hook at the rear side of the unit on the DIN rail and push in the lower. When removing the unit, push down the DIN rail adaptor utilizing minus screwdriver and pull.



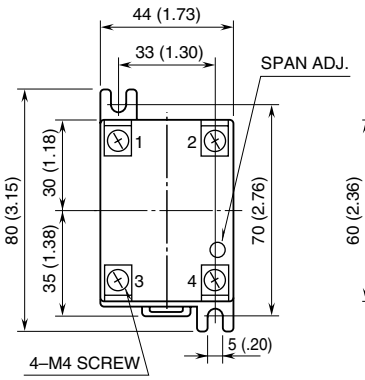
■ WALL MOUNTING

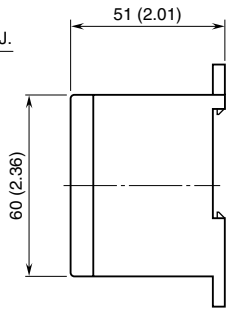
Refer to “DIMENSIONS.”

TERMINAL CONNECTIONS

Connect the unit as in the diagram below or refer to the connection diagram on the front of the unit.

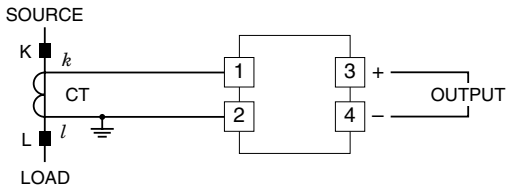
■ DIMENSIONS mm (inch)





•When mounting, no extra space is needed between units.

■ CONNECTION DIAGRAM



CHECKING

1) Terminal wiring: Check that all cables are correctly connected according to the connection diagram.
2) Input: Check that the input signal is within 0 – 120% of the rated current.
3) Output: Check that the load resistance meets the described specifications.

ADJUSTMENT PROCEDURE

This unit is calibrated at the factory to meet the ordered specifications, therefore you usually do not need any calibration. For matching the signal to a receiving instrument or in case of regular calibration, adjust the output as explained in the following.

■ HOW TO CALIBRATE THE OUTPUT SIGNAL

Use a signal source and measuring instruments of sufficient accuracy level. Turn the power supply on and warm up for more than 10 minutes.

• SPAN: Apply 100% input and adjust output to 100%. SPAN is adjustable to ±5%.

POINTS OF CAUTION

■ REMOVING THE UNIT

• Before you remove the unit or mount it, turn off the input signal for safety.

■ ENVIRONMENT

• Indoor use

• When heavy dust or metal particles are present in the air, install the unit inside proper housing with sufficient ventilation.

• Do not install the unit where it is subjected to continuous vibration. Do not apply physical impact to the unit.

• Environmental temperature must be within -10 to +55°C (14 to 131°F) with relative humidity within 30 to 85% RH in order to ensure adequate life span and operation.

■ WIRING

• Do not install cables (input and output) close to noise sources (relay drive cable, high frequency line, etc.).

• Do not bind these cables together with those in which noises are present. Do not install them in the same duct.

■ AND ....

• The unit is designed to function as soon as power is supplied, however, a warm up for 10 minutes is required for satisfying complete performance described in the data sheet.

MAINTENANCE

Regular calibration procedure is explained below:

■ CALIBRATION

Warm up the unit for at least 10 minutes. Apply 5%, 25%, 50%, 75% and 100% input signal. Check that the output signal for the respective input signal remains within accuracy described in the data sheet. When the output is out of tolerance, recalibrate the unit according to the "ADJUSTMENT PROCEDURE" explained earlier.

LIGHTNING SURGE PROTECTION

In order to protect the unit from lightning surges entering through signal and power supply cables, use of appropriate lightning surge protectors are recommended. Please contact us.