

**CT TRANSUDCER  
(super-miniature size; self-powered)**

MODEL **LDCA/LDCK/  
LDCE**

**BEFORE USE ....**

Thank you for choosing us. Before use, check the contents of the package you received.

If you have any problems or questions with the product, please contact our sales office or representatives.

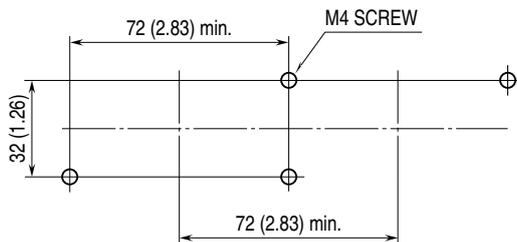
**INSTALLATION**

■ **ENVIRONMENT**

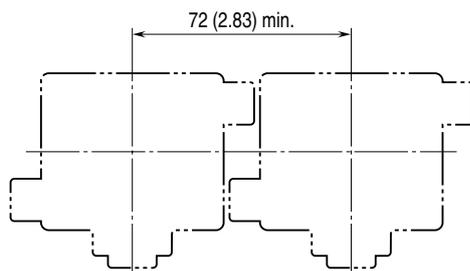
- Indoor use
- When heavy dust or metal particles are present in the air, install the unit inside proper housing with sufficient ventilation.
- Do not install the unit where it is subjected to continuous vibration. Do not apply physical impact to the unit.
- Environmental temperature must be within -10 to +55°C (14 to 131°F) with relative humidity within 30 to 85% RH in order to ensure adequate life span and operation.

**MOUNTING REQUIREMENTS unit: mm (inch)**

■ **WALL MOUNTING**

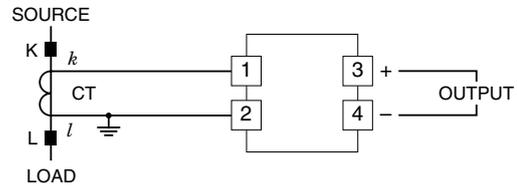


■ **DIN RAIL MOUNTING**



**TERMINAL CONNECTIONS**

Connect the unit as in the diagram below.



**ADJUSTMENT PROCEDURE**

This unit is calibrated at the factory within the range of accuracy described in the SPECIFICATIONS.

When you need any 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%.

**CHECKING**

- 1) Terminal wiring: Check that all cables are correctly connected according to the connection diagram.
- 2) Input: Check that the input shows within 10 – 120% of the rated current. When the cables are to be disconnected from input terminals, be sure to short the secondary side of CT or turn off the current at its primary side for preventing the CT from burning. The average sensing type model LDCA accepts only sine waves for the described accuracy. For the approximate RMS sensing type model LDCK, check that the 3rd harmonic content is 5% or less.
- 5) Output: Check that the load resistance meets the described specifications.

**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.