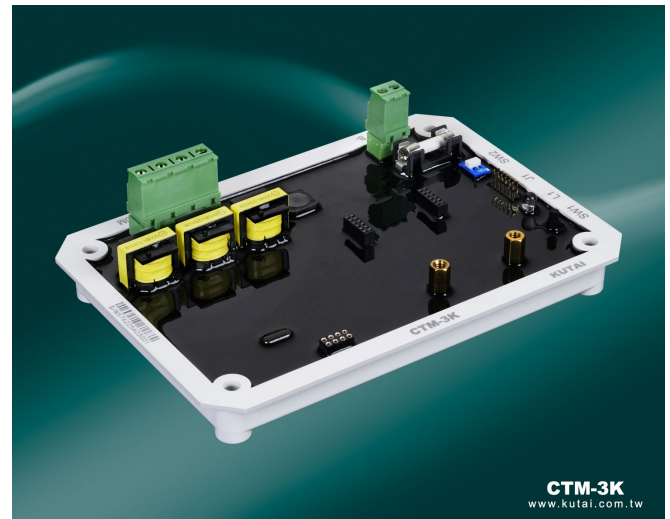


CTM-3K

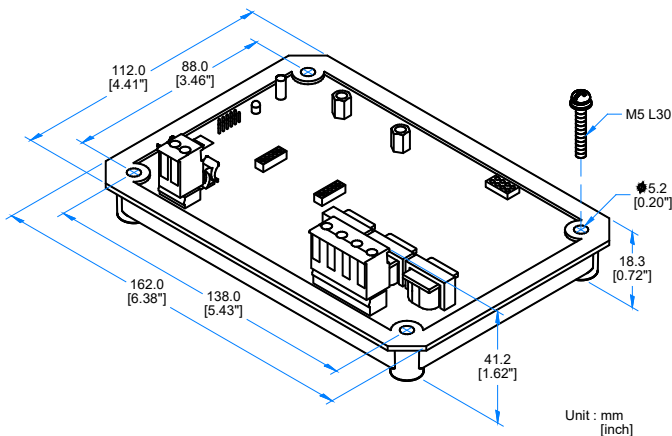
Dedicated Current & KCU communication module interface for Kutai Control Unit

Features

- Integrated current sensing and communication module interface, saving space and material cost
- Provide load current reading for single and three phase power system
- CT primary current 50 to 3000A, secondary current selectable as 1A or 5A
- Equipped with a no-load current zero calibration button
- Automatic connection detection display after installation; no setup operation required
- Supports installation of up to two [KCU modules](#) simultaneously for remote communication
- Communication cable features a foolproof keyed connector design to prevent reverse connection.
- Power and connection status indicator LEDs
 - Steady Green: DC power supply ON
 - Steady Red: Connection to the controller interrupted
 - Flashing Green: Normal operation (CT secondary ratio 1A)
 - Flashing Red: Normal operation (CT secondary ratio 5A)



Dimensions



Specification

Power Input	9 to 36Vdc
Current Display	50 to 3000A +/-1.5%
Static Power Dissipation	Under 1W @ 12Vdc
CT Rated Burden	Greater than 5VA

Physical Specifications

Dimension	162.0 (L) x 112.0 (W) x 41.2 (H) mm 6.38 (L) x 4.41 (W) x 1.62 (H) inch
Weight	329 g +/-2% (0.73 lb +/-2%)

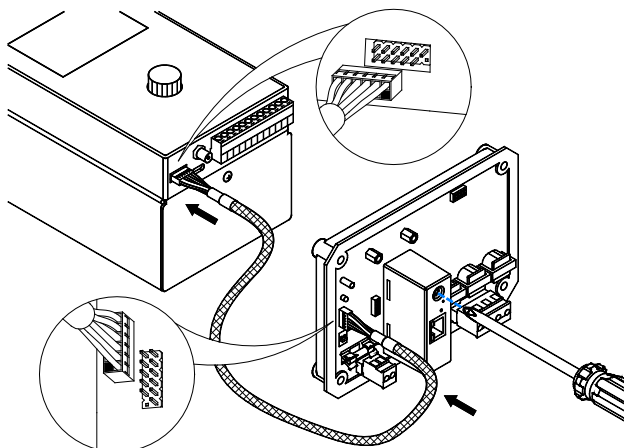
Environment

Operating Temperature	-20 to +60 °C
Storage Temperature	-30 to +80 °C
Relative Humidity	Below 95%

Accessories

HU-050-KCU-09 (Standard)	500 mm Connection Harness	x 1
HU-100-KCU-09 (Optional)	1000 mm Connection Harness	

Installation Instructions



CTM-3K Installation Steps:

1. Mount and secure it at an appropriate location inside the electrical enclosure.
2. The load CTs use a 3P4W wiring and connect to CTM-3K terminal lugs.
3. Set the CT secondary rating to 1A or 5A according to the CT ratio.
4. Fasten the **KCU-XX** module onto the communication slot. The two slots have no order requirement and can be used freely. (If no KCU module is required, this step can be ignored.)
5. Connect the communication cable to the PTS control unit; the communication connector features a foolproof keyed design.
6. Connect the DC power supply (9 to 36 Vdc) to provide operating power for the CTM-3K. Do not reverse the positive and negative polarity.
7. Set the CT current ratio on the control unit.

