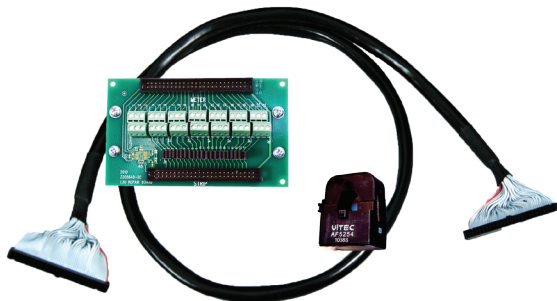


AE006

E30 Current Sensor Repair Kit



(H6803R-0100 CT only)

⚠ DANGER ⚠

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Follow safe electrical work practices. See NFPA 70E in the USA, or applicable local codes.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Read, understand and follow the instructions before installing this product.
- Turn off all power supplying equipment before working on or inside the equipment.
- Use a properly rated voltage sensing device to confirm power is off.
- **DO NOT DEPEND ON THIS PRODUCT FOR VOLTAGE INDICATION**
- Only install this product on insulated conductors.

Failure to follow these instructions will result in death or serious injury.

NOTICE

- This product is not intended for life or safety applications.
- Do not install this product in hazardous or classified locations.
- The installer is responsible for conformance to all applicable codes.
- Mount this product inside a suitable fire and electrical enclosure.

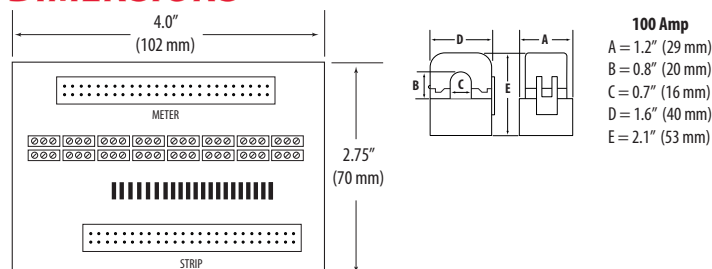
PRODUCT IDENTIFICATION

AE006 E30 Current Sensor Repair Kit (includes one AE006 board, one 100A split-core CT, and one 18-inch round ribbon cable)

OPERATION

The AE006 E30 CT repair kit provides a solution for mechanically damaged or suspect CTs within the E30 panelboard monitoring system. The kit includes one AE006 board with a single 100A split-core CT and a ribbon cable. The AE006 board is connected to the main E30 board via ribbon cable. The split-core CT is wired to the AE006 board, and it replaces the damaged sensor on the solid-core CT strip.

DIMENSIONS



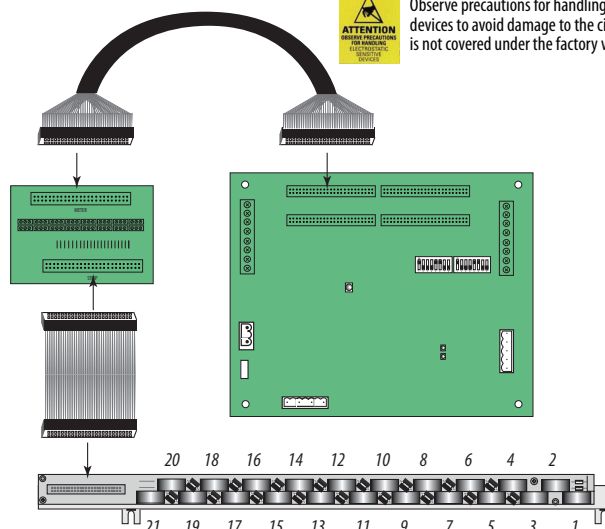
INSTALLATION

⚡ Disconnect and lock out power to the panel.

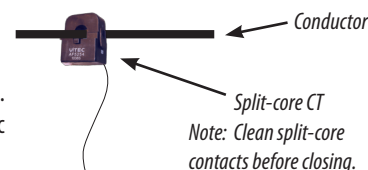
1. Remove the flat ribbon cable connecting the CT strip to the headers on the E30 main circuit board.
2. Install the AE006 adapter board into the electrical panel using SNAPTRACK or DIN rail clips (both included) inside the panel.
3. Use the included round ribbon cable to connect the header on the E30 main circuit board to the header on the repair kit adapter board labelled "METER." Use the existing ribbon cable to connect the CT strip to the header on the repair kit adapter board labelled "STRIP."



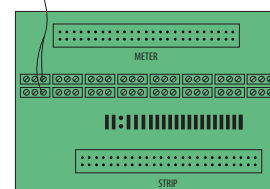
Observe precautions for handling static sensitive devices to avoid damage to the circuitry that is not covered under the factory warranty.



4. Use the numbers in the above diagram to identify the damaged current sensor on the solid-core strip. This number corresponds to a specific terminal block and jumper on the adapter board.



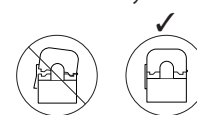
5. Wire a split-core CT to the terminal block corresponding to the damaged sensor on the strip. When tightening terminals, ensure that the correct torque is applied: 1.92 to 2.28 in-lb (0.22 to 0.269 N-m)



6. Snap this new CT onto the conductor in the panel. Clean contacts before closing CT.

Close CTs until the clasp clicks into place to ensure that contact surfaces are firmly seated.

7. Remove the jumper corresponding to the damaged sensor. The jumper can be either stored on one of the pins or discarded.



8. Repeat steps 4 through 6 for each damaged current sensor (one replacement 100A split-core CT is included with the AE006; additional CTs (H6803R-0100) are available for purchase).

9. Reconnect power to the panel. Note there is a 2% decrease in accuracy for the repaired circuit.

CHINA ROHS COMPLIANCE INFORMATION (EFUP TABLE)

部件名称	产品中有毒有害物质或元素的名称及含量Substances					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
电子线路板	X	0	0	0	0	0
0 = 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下. X = 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363-2006标准规定的限量要求.						
Z000057-0A						