

The ECS16 series are split-core current transformers. The CT can be mounted to existing panels, such as control centers or load centers, to measure or monitor wattage. These CTs can be mounted without removing existing cables for easier installation

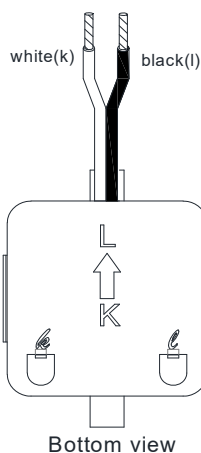
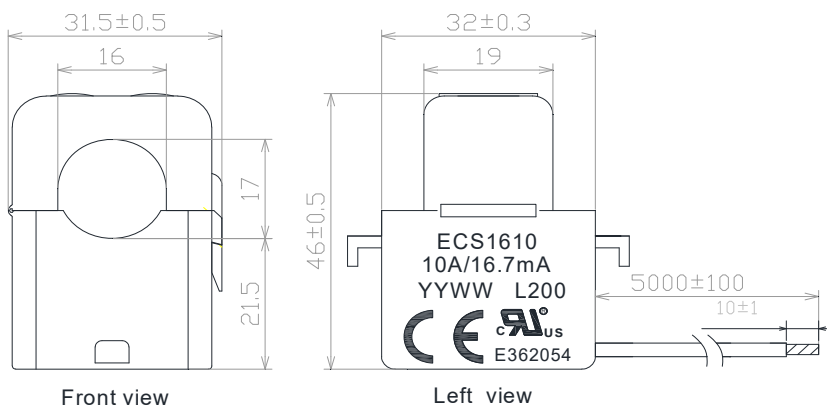


### Electrical Specifications

|                                      |                     |
|--------------------------------------|---------------------|
| Rated Primary Current(Amp.)          | 10nom(0.01~50A max) |
| Turn Ratio                           | Np:Ns=1:600         |
| Current Ratio                        | 10A/16.7mA          |
| D.C. Resistance Max at 20 °C (Ω)     | 15.5 ±10%           |
| Accuracy @RL=10Ω                     | 0.5%                |
| Phase Error at Rated Current         | ≤ 2°                |
| Operating Temperature Range          | -40~65℃             |
| Storage Temperature Range            | -45~85℃             |
| Dielectric Withstanding Voltage(Hi - | 2.5KV/1mA/1min      |
| Frequency Range                      | 50-60 Hz            |
| Insulation Resistance                | DC500V/100MΩ min    |



### Mechanical Dimensions in mm



### APPLICATIONS

- Energy and sub-metering products
- Electrical load monitoring
- Power meters
- Power quality monitoring
- Control systems
- Go GREEN initiatives

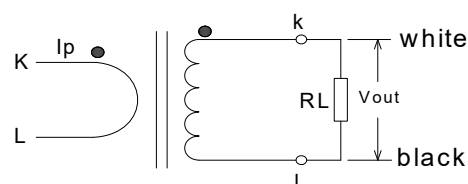
### FEATURES

- Split core type
- 16\*17mm window size (ID)
- Rigid case with UL 94V-0 durable plastic
- PVC wire leads 1015 22AWG cable output
- Approximate weight 160g
- ANSI C57.13 and IEC61869-2 Standards

### Advantage

- Easy installation
- Excellent linearity over the whole range
- Compact case
- High isolation between primary and secondary

### Connections Diagram

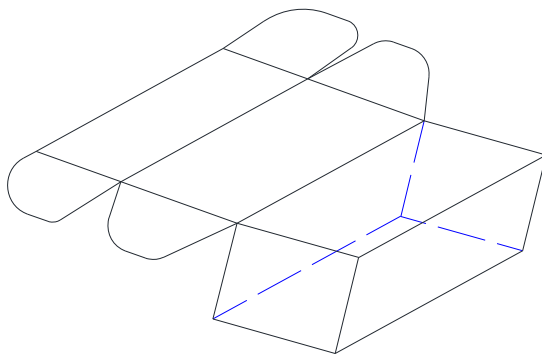


### CAUTION

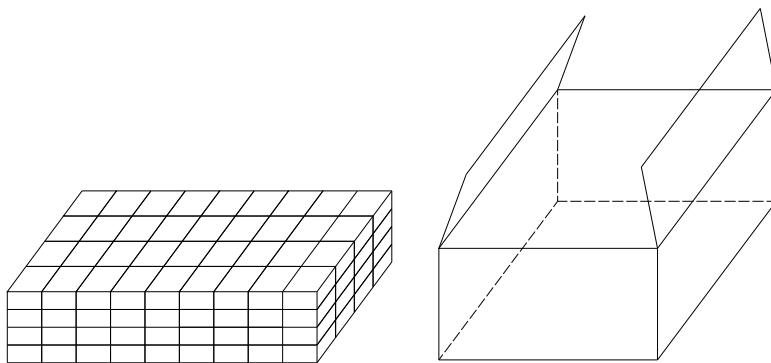
Before installation, safety precautions must be followed by licensed professional. Never energize primary unless short circuited terminals or burden connected to secondary.

### Packing:

- Small Carton Box: 175\*53\*45mm  
Small box contains 1pcs CTs  
Note: The bubble film should be placed at the bottom



- Inner Packing: 378\*335\*255mm  
The box contains 60pcs CTs



- Carton boxes labeling: 35\*35mm



### ChangeHistor

| Date       | Rev | Author | Description                                                                   |
|------------|-----|--------|-------------------------------------------------------------------------------|
| 12/8/2015  | V0  | Henry  | Original                                                                      |
| 03/12/2020 | V1  | Henry  | ADD WIRE LENGTH FROM 4M TO 5M<br>P/N CHANGE FROM ECS1610-L160 TO ECS1610-L200 |
| 08/04/2021 | V2  | Henry  | UL logo update<br>Add packaging<br>Modify dimensions 31.5+/-0.3 to 31.5+/-0.5 |
| 04/06/2022 | V3  | Henry  | UL logo update                                                                |

ECHUN  
2022.04.06  
Jason

ECHUN  
2022.04.06  
HELEN