

รอกเบิ้ลสินค้าถ้วยรูปใหม่

### Specification

|                   |                         |                                             |
|-------------------|-------------------------|---------------------------------------------|
| Power Supply      |                         | 230VAC $\pm 15\%$ 50-60Hz                   |
|                   |                         | 115VAC $\pm 15\%$ 50-60Hz                   |
| Power Consumption |                         | 2.5 VA                                      |
| Display           |                         | 7-Segment, Size 0.56 Inch<br>4 Digit, 1 Row |
| Input             | Current                 | Connection 1 CT, Direct                     |
|                   | Current (Direct)        | 0.01 - 10A.                                 |
|                   | Ib (Base Current)       | 5A.                                         |
|                   | Current Ratio           | 1-2000                                      |
|                   | Primary                 | 9999A.                                      |
|                   | Secondary               | 0.2-5A.                                     |
|                   | Accuracy Current        | $\pm 1\%$ FS                                |
| Output            |                         | 1 Alarm 5A/250VAC                           |
| Ambient Operation | Temperature             | -10 °C to 60 °C                             |
|                   | Humidity                | 85 % RH Non-Condensing                      |
| Ambient Storage   | Temperature             | -20 °C to 80 °C                             |
|                   | Humidity                | 85 % RH Non-Condensing                      |
| Protection Degree | Front Protection Rating | IP52                                        |
|                   | Case Protection Rating  | IP30                                        |
| Installation      |                         | Panel Mounting                              |
| Material          |                         | ABS-V0                                      |
| Size (mm.)        |                         | 96 x 96 x 76.6                              |
| Weight (kg.)      |                         | 465                                         |

### Operation

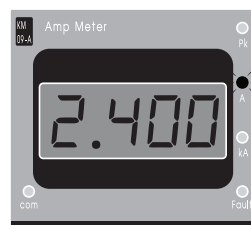
- 1 Phase Amp Meter : KM-09-A is a current meter for single-phase electrical systems.
- Measurement range:  
: Current 0.01-10 A (direct connection)  
: Current up to 9,999 A (when used with CT)
- True RMS measurement for high accuracy.
- 1 Alarm Relay Output with 4 configurable alarm functions.
- Peak Hold function to display the maximum current value in the system.
- LED indicators for operating status and electrical units.
- 7-segment display, 0.56 inch, 4 digits, 1 row.

### Operation

KM-09-A has two display pages: one shows the currently measured current value, and the other shows the Peak Amp value. The Peak Amp value is calculated as an average over a 15-minute period. When the Up arrow button is pressed, the display shows the current measured value; when the Down arrow button is pressed, the display shows the Peak Amp value. On the Amp display page, the Peak LED blinks while the value is being displayed.

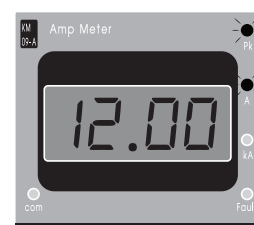
KM-09-A is equipped with an Alarm Fault function. The alarm operating conditions can be configured with 4 functions, depending on the purchase specifications.

Amp Display (Key  $\blacktriangle$ )



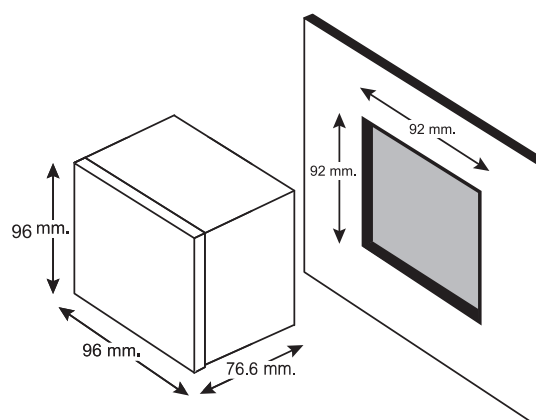
Amp Display at the present

Peak Amp Display (Key  $\blacktriangledown$ )

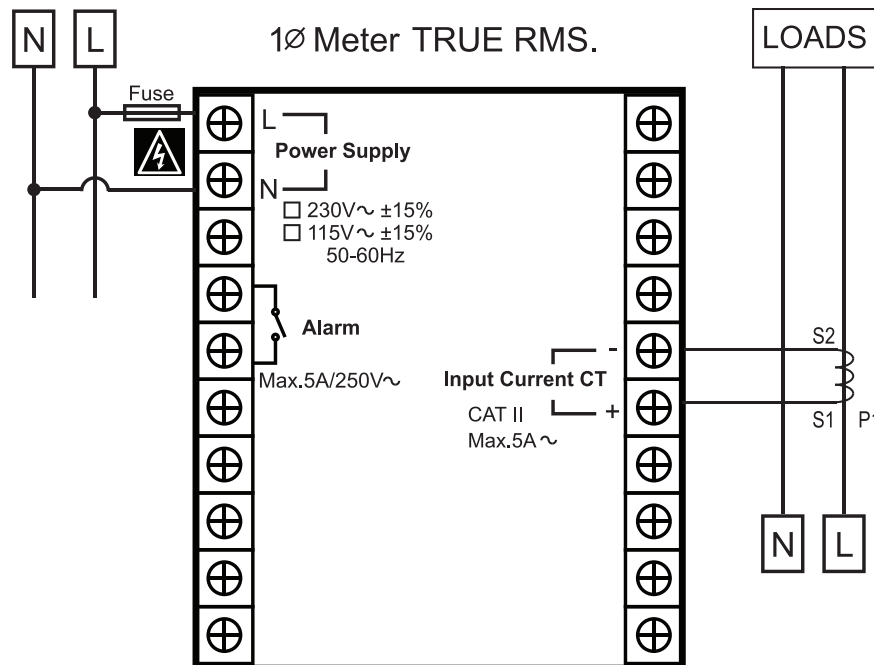


Peak Amp Display

### Channel Cutting



## Wiring Diagram



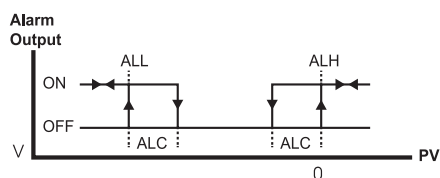
**WARNING**

- Make sure the correct wiring connection before turning on electricity. Mis-wiring may cause malfunction of the unit and fire.
- Never modify the unit to prevent damage or incident such as malfunction and fire etc.

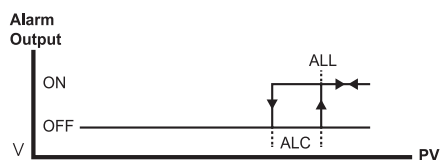
## ALARM FUNCTION

## Ordering Code

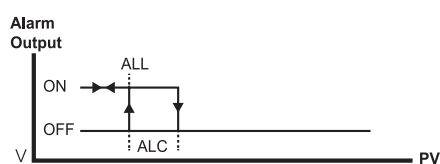
### 1. Absolute value High Low Band Alarm



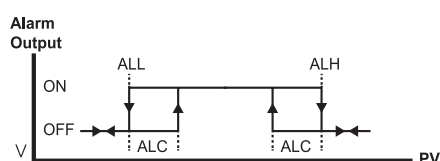
### 2. Absolute value High Alarm



### 3. Absolute value Low Alarm



### 4. Absolute value High Low Range Alarm



| Option 1                                                                                                                                         |             | Power Supply |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|--------|
| KM-09-A- <span style="border: 1px solid black; padding: 2px 10px;"> </span> - <span style="border: 1px solid black; padding: 2px 10px;"> </span> |             |              |        |
| Option 1                                                                                                                                         |             | Power Supply |        |
| R                                                                                                                                                | Alarm Relay | NONE         | 230VAC |
|                                                                                                                                                  |             | 115          | 115VAC |

Example: KM-09-A-R means  
it is a current meter, equipped with an Alarm Fault function  
and powered by a 230 VAC supply.