

AC Current Transducer with Display



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CE-DI12-359MUI-0.5

Output function: display+ analog+ switch value output

Analog output: 4-20mA; Power Supply: 220V (AC/DC);

Case Style: MU1; Accuracy: 0.5

Features

High cost performance, good stability, User can easily set the input threshold for output switching value, return difference and delay time to deny input action after a switching value output acted as your requirement

Specifications

Maximum display:	9999
Max. Resolution:	Voltage: 0.1V; Current: 0.001A .
Input:	1-phase, ac, current: 0-5A
Analog Output:	0-5V, load > 2K Ω ; 4-20mA, load < 300 Ω ;
Relay Output:	one group of terminals, capacity: 5A 250V
Values could be set by users:	the threshold for relay output, return difference and variable ratio
Variable ratio:	1-2000
Accuracy:	0.5%
Power supply:	220V (AC/DC),
Power consumption	\leq 3.5VA.
Range of input frequency:	40Hz - 200Hz.
Isolation voltage:	DC2KV/min. 1mA
Isolation resistance:	\geq 100M Ω .
Response time:	<320mS
Mounting:	cabinet panel, rear terminal wiring plate
Outline size:	96mm \times 48mm \times 112mm.
Mounting window:	91mm x 45mm.
Operation Temperature:	-5 $^{\circ}$ C - 50 $^{\circ}$ C, relative humidity: \leq 90%

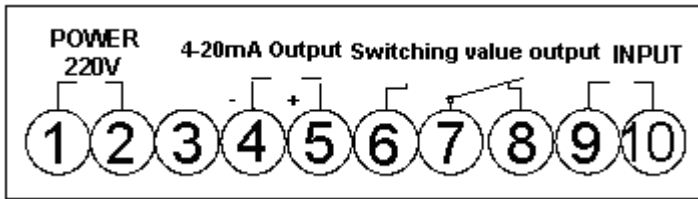
Case Style & Mounting Dimensions



Dimension: 96mm*48mm*112mm

Installation Dimension: 91mm*45mm

Connections Diagrams



How to set values

Code	Description	Range of Values
rIdE	To set variable ratio	Multiple of 1(default)
r-rE	To set return difference	10% of rated input(default)
r-nL	To set switching low point alarm value	30% of rated input(default)
r-nH	To set switching high point alarm value	70% of rated input(default)
r-En	To set the mode of switching value alarm	L(default)
E	To exit without saving	-
SAve	To exit with saving	-

1. To entry the setup menu
 - | Under working conditions, to press SET to entry the setup menu.
2. To set the variable ratio
 - | On setup menu, please press ← or →,to select “rIdE”
 - | To press “SET” to set the variable ratio
 - | To press →, to select the digital from right to left
 - | To press ←,to change the flickering figure
 - | To press SET, back to the setup menu
 - | On setup menu, press ← or → to select “SAve”, and press “SET”, exit with saving.
 - | On setup menu, press ← or → to select “E”, and press “SET”, exit without saving.
3. To set a relay threshold
 - | On setup menu, please press SET, and then you can start to reset.
 - | On setup menu, please press ← or →,to select”r-nL” or”r-nH”
 - | When selecting “r-nL”, press “SET” to enter
 - | When selecting “r-nH”, press “SET” to enter
 - | To press ←, to change the flickering figure.
 - | To press →,to select the digit from right to left
 - | To press SET, back to the setup menu
 - | On setup menu, press ← or → to select “SAve”, and press “SET”, exit with saving.
 - | On setup menu, press ← or → to select “E”, and press “SET”, exit without saving.

4 To set a return difference

l On setup menu , please press ← or → to select “r-rE”

l To press SET, and then you can start to reset. The rest steps are same as item 3.

5 To set the mode of the switching alarm

l On setup menu, please press ← or →,to select “r-En”

l “L ” means the switching low point alarm setting

l “H” means the switching high point alarm setting

l “L-H” means the switching high and low points at the same time alarm setting

l To press “SET” to back to the set menu.

l On setup menu, press ← or → to select “SAve”, and press “SET”, exit with saving.

l On setup menu, press ← or → to select “E”, and press “SET”, exit without saving.

Notice

- a) Please connect the terminals of power supply, outputs and input respectively and correctly, never make wrong connection.
- b) If there is a meter is used to test the output of the transducer , please make sure the accuracy of the meter is higher than the transducer.
- c) While a setting, it will automatically exit without saving any changes if don't press any buttons for 80 seconds.