

## AHE010 DC Current Transducer

- Hall Effect CT for easy Installation
- Loop powered, reducing wiring
- 2 year warranty as standard
- CE compliant
- Connect direct to PLC
- Non Intrusive

### APPLICATION

- DC current monitoring.
- Current signal conditioning.

### TECHNICAL SPECIFICATION

#### INPUT

Current can be specified in the range of:  
0 -  $\pm 10A$  bi-directional or 0-10A unidirectional

#### OUTPUT OPTIONS

I/P = -10A 0A +10A  
O/P = 4mA 12mA 20mA

I/P = 0A to +10A  
O/P = 4mA to 20mA

Output Load: 50 to 250R ohms

#### SUPPLY

24Vdc  $\pm 5\%$

#### PERFORMANCE

Linearity:  $< \pm 1\%$   
Accuracy:  $< \pm 1\%$   
Consumption: 25mA + I out  
Freq. Bandwidth: DC to 20kHz

#### PROTECTION

Isolation 2500V RMS. Input / Output / Case  
Input over range up to 300% continuous.  
Enclosure: ABS (UL 94V-0) / Encapsulation

#### ENVIROMENTAL CONDITION

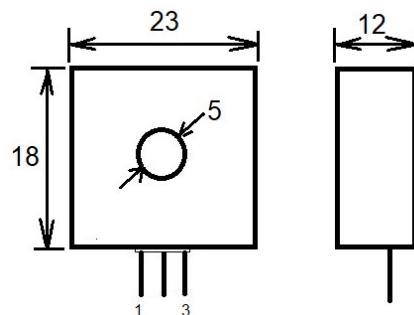
Storage temperature: -40 to +85 °C  
Operating Ambient: -25 to +70 °C  
Relative Humidity: 20 to 95% RH  
Temp Coefficient: 0.1%/°C

#### MOUNTING

Mounting: cable tie  
Weight < 25g  
Installation: CAT II



Dimensions (mm):



1 / Red: +24Vdc

2 / Black: 0V (GND)

3 / Yellow: I Out

#### Connection option:

1. 3 way Molex connector
2. 3 way 200mm long cable

#### SAFETY NOTE:

Although the voltage(s) directly connected to this instrument and its internal voltages are low, the cable running through the split core may carry dangerous high voltage. For this reason, this product should be installed by a competent person. If the unit fails to operate correctly then first check if the wiring is correct. Under no circumstance is the unit to be taken apart to gain access to internal circuitry for any reason whilst it has live cable through the split core.

