



Features

1. IP66 waterproof construction

The front panel surface keeps water and dust out. Perfect for use in rough conditions.

2. Includes operation light (LED)

The operation LED illuminates so you can quickly verify operation status.

3. Compliant with UL, c-UL and CE.

RoHS Directive compatibility information
<http://www.nais-e.com/>

Product type

Installation	Measurement time	Operation light	Rated voltage	Part No.
Panel installation	0 to 9999.9 hours	LED illuminates while operating.	12 V DC	TH833C
			24 V DC	TH834C

Note: Products are UL and c-UL certified as standard. (Suffix "U" is not required ON part numbers when ordering.)

Specifications

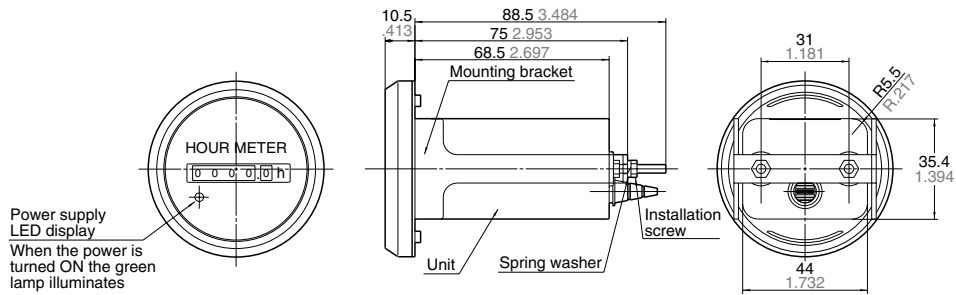
Item		Type	TH833C	TH834C
Rating	Rated voltage		12 V DC	24 V DC
	Usage voltage range		10.2 to 15.6 V DC	20.4 to 31.2 V DC
	Measurement time		0 to 9999.9 hours	
	Min. measurement time		0.1 hour (6 min.)	
	Power consumption		Approx. 1.5 W (With rated voltage applied at 25°C 77°F)	
Electrical characteristics	Insulation resistance (initial)		Min. 100 MΩ between charged and uncharged parts (measured at 500 V DC)	
	Breakdown voltage (initial)		Between charged and uncharged parts: 2,000 V AC for 1 minute.	
	Temperature rise		Max. 55°C 131°F (measured at rated voltage and resistance law)	
Mechanical characteristics	Functional vibration resistance		10 to 55 Hz (1 cycle/min.) Single amplitude: 0.35 mm (10 min. ON 3 axes)	
	Functional shock resistance		Min. 98 m/s ² (4 times ON 3 axes)	
	Destructive vibration resistance		Min. 980 m/s ² (5 times ON 3 axes)	
Usage conditions	Operation temperature		-20°C to +60°C -4°F to +140°F (Without due and frost)	
	Ambient humidity		35 to 85% RH (relative humidity) (non-condensing)	
	Power supply ripple		Approx. 48% or less (single phase, all-wave rectification)	
Protective construction			IP66 (front panel with a rubber gasket)	

Applicable standard

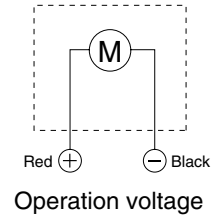
EMC	(EMI)EN61000-6-4 Radiation interference electric field strength Noise terminal voltage (EMS)EN61000-6-2 Static discharge immunity	EN55011 Group1 ClassA EN55011 Group1 ClassA
	RF electromagnetic field immunity EFT/B immunity Conductivity noise immunity Power frequency magnetic field immunity	EN61000-4-2 4 kV contact 8 kV air EN61000-4-3 10 V/m AM modulation (80 MHz to 1 GHz) EN61000-4-4 2 kV (power supply line) EN61000-4-6 10 V/m AM modulation (0.15 MHz to 80 MHz) EN61000-4-8 30 A/m (50 Hz)

Dimensions and part names (unit: mm inch)

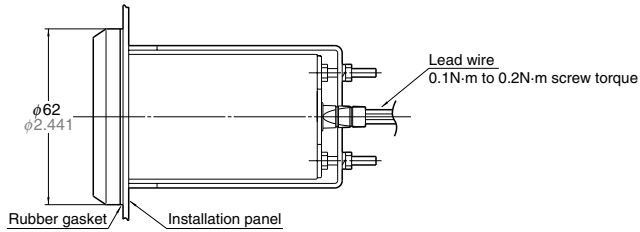
Tolerance: $\pm 1.0 \pm .039$



Wiring diagram



Panel installation diagram



Panel cutout dimensions

