

HTM

TA2 TRIP ALARM RELAY/CONTROLLER

FEATURES

- ❖ 2 front adjustable set points
- ❖ Adjustable hysteresis
- ❖ Space saving casing
- ❖ Front mounting terminals
- ❖ Front LED status indicator
- ❖ High accuracy
- ❖ Din rail or wall mounting



INTRODUCTION

HTM TA2 Trip Alarm Relay/Controller is an ideal electronic signal level detector. It is suitable for monitoring high and low conditions of measured signal or act as a controller via contact closure and bright LED display on the front panel. Standard model allows configuration of two separate high and low set points with adjustable hysteresis in each module. Set points & hysteresis adjustments can be easily carried out through turning the potentiometers located on the front panel of the unit.

APPLICATIONS

HTM TA2 Trip Alarm Relay/Controllers are suitable for the monitoring & control of process variable signals from transmitters such as temperature, pressure, level, flow, voltage, current etc. When the signal value falls outside the fully adjustable pre-set limit, the relay output will change-over to energise external alarm or control equipment. Each unit of the relay can be configured as High & High, High & Low or Low & Low as required.

SPECIFICATION

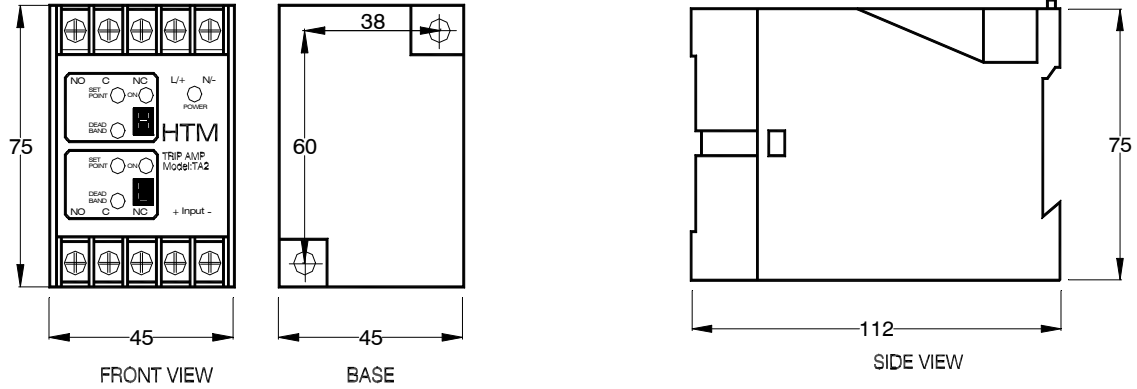
Power : 230VAC +/-10%
115VAC +/-10%
24VDC, 12VDC
(3VA Maximum)

Input : 4-20mA DC (100 Ohm)
10-50mA DC (40 Ohm)
1-5 VDC (10 Mega Ohm)

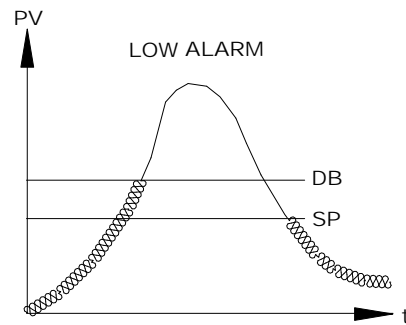
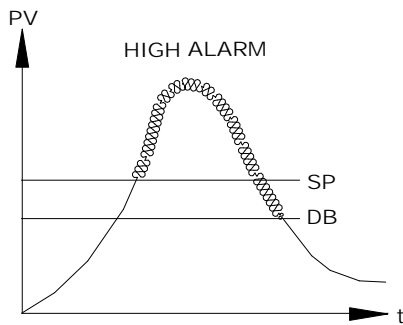
Output : 2 X SPDT Voltfree contact rated at
0.6A 125VAC/110VDC or 2A at
30VDC
(4 X SPDT available as model TA4)

Set Point : 10 turn potentiometer
Deadband Scale : 10 turn potentiometer
Trip Accuracy : +/-0.1% FS
Repeatability : +/-0.2%
Operating Temp. : -10 C to +65 C
Humidity : 5 to 98% relative humidity
Case Protection : IP40
Terminal Size : 2.5mm Dia. Cable
Service life : Min. 1,000,000 operations
Compliance: EN61326-1:2006,
EN55011:1998 +A1:1999 +A2:2002,
EN61000-4-2:1995+A1:1998+A2:2001,
EN61000-4-3:2006, EN61000-4-4:2004,
EN61000-4-5:2006, EN61000-4-6:2007
Conformance: CE, EC Directive 2004/108/EC

DIMENSIONS



OPERATION SEQUENCE



- ⋯ RELAY ENERGISED
- RELAY DE-ENERGISED
- SP SET POINT
- DB DEAD BAND
- PV PROCESS VARIABLE
- t TIME

Manufactured by :

HTM Instruments Sdn Bhd (Company No 687564-T)
 29, Jalan SG 10/4, Taman Seri Gombak,
 68100 Batu Caves, Selangor, Malaysia.