

## 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 and hysteresis adjustments can be easily carried out through the potentiometers provided on the front panel of the unit.

## FEATURES

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

## APPLICATIONS

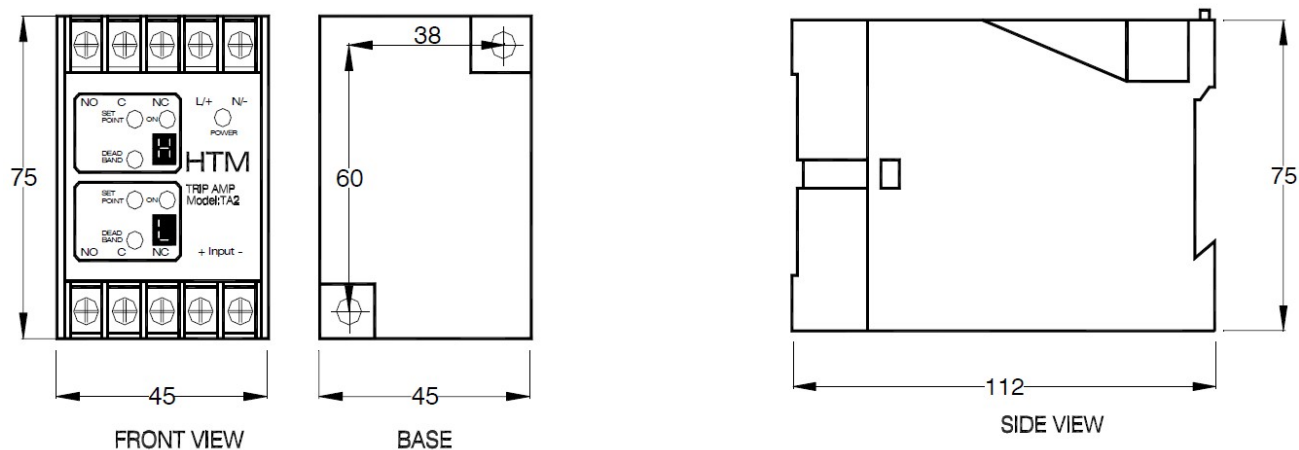
HTM TA2 is suitable for the monitoring and control of process variable signals from transmitters such as temperature, pressure, level, flow, voltage, current etc. When the signal value falls outside the fully adjustable pre-set limit, the relay output will change-over to energise external alarm or control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



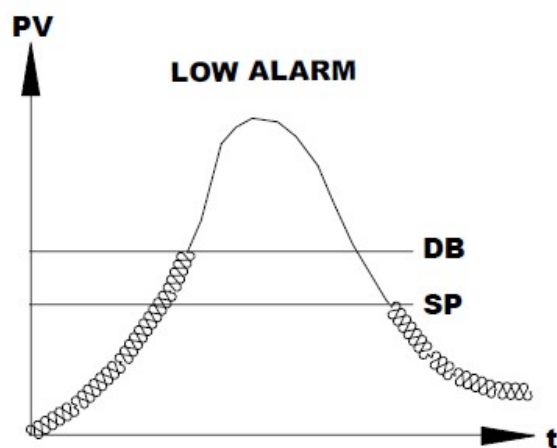
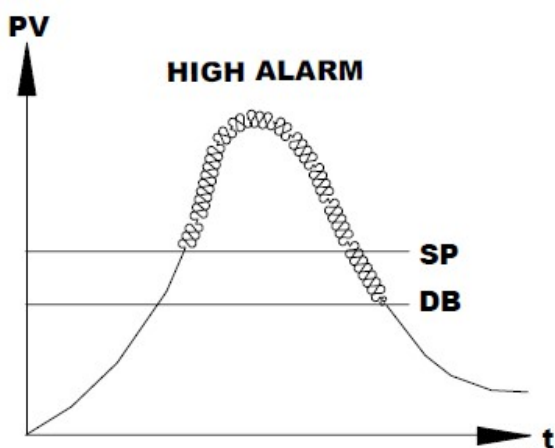
## SPECIFICATIONS

Power	230VAC $\pm$ 10% 115VAC $\pm$ 10% 24VDC, 12VDC (3VA maximum)
Input	4-20mA DC (100 $\Omega$ ) 10-50mA DC (40 $\Omega$ ) 1-5VDC (10M $\Omega$ )
Output	2 x SPDT volt-free 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	$\pm$ 0.1% FS
Repeatability	$\pm$ 0.2%
Operating temperature	-10 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

## DIMENSIONS



## OPERATION SEQUENCE



 **RELAY ENERGISED**  
 **RELAY DE-ENERGISED**

**SP** **SET POINT**  
**DB** **DEAD BAND**  
**PV** **PROCESS VARIABLE**  
**t** **TIME**

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