

# **DATA SHEET - Process Automation - Alarm Trip**

Subject to change without notice

### PTS-VC-XX/RC

### **Powered Alarm Single Trip Module**





### **GENERAL DESCRIPTION**

The PTS-VC-XX/RC is a fully isolated trip amplifier/alarm module that accepts either a voltage or current input signal and provides a single (1) independently adjustable trip relay output.

The PTS-VC-XX/RC can be used as a standalone alarm unit for high or low level alarms. The relay can be field set by the use of internal links for high or low and energized or deenergised. The relay has its own dead band adjustment which can be set from between 0 - 60% of input signal.

# FEATURES

- Special 24VDC Supply Level
- Output current to 3 Amps (fused)
- ♦ Externally Accessible Set Points
- System Healthy Indication
- ♦ Voltage Healthy Indication
- Current Healthy Indication
- OFF time delay (factory set)
- Fail Safe System
- Very small footprint area.

# Supply-ve Supply+ve Supply+ve Input-ve Input-ve

### **TECHNICAL DATA**

Power Supply. 12Vdc, 24Vdc or 48Vdc

VA Rating Typically 1.0VA

Max Power Typically 1.5 VA (relay energised)

Input - Standard Ranges

 Volts
 0-10 Vdc

 Current
 4-20 mA

 Amps dc
 0 - 3 Amps dc

 Input Resistance
 0.03R

Other ranges upon request

Output (one c/o relay) 1 Relay c/o contact

### **GENERAL SPECIFICATION**

 Accuracy
 0.1% of span

 Linearity
 0.1% of span

 Repeatability
 0.5% over 10,000 hrs

Common Mode 110dB

Dead Band Adjustable 1% - 60%
Trip Settings Adjustable 0 - 100%
Trip Status LED (external)

**Output Relay** 

Contact Configuration 1 Form C (SPDT)
Contact Rating 240Vac 1 Amp
30Vdc 1 Amp

 Max Cont. Current
 2 Amps

 Vibration
 20G, 10 - 300Hz

 Shock
 Error 50G

Life Expectancy Mechanical 5 X 10,000,000

Operating Time 5 mSec Max Switching Freq. 5 Hz

 Operating Temp
 0 to 60 Deg C

 Store Temp
 -25 to +75 Deg C

 Mounting Style
 DIN & G Rail

Terminals Self-opening 2.5mm/12AWG
Housing Material KRILEN

Dimensions 79 x 106 x 25mm wide

Weight 110 grams

### **SETTING THE RELAY OPERATION**

The relay in the PTS series is fully programmable according to the customer's wishes/application. Please request the set-up tables from Transfech

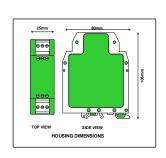
Please request the set-up tables from Transtech.

At power-up the relay is selected to be normally energised or de-energised and to trip upon an increasing input signal (high trip) or decreasing input signal (low trip).

HI-TRIP is defined as the relay operating when the input signal increases past the set point.

LO-TRIP is defined as the relay operating when the input signal decreases below the set point.

**DEADBAND** (hysteresis) has been incorporated to prevent the output relay from switching when the input signal varies slightly on the set point. Dead band level is adjustable from 0 to 60% of the input signal.



**DESIGNED & MANUFACTURED by:** Transtech Electronic Controls Pty Ltd Perth W.A. ABN: 21 070 629 499 **Design changes may occur in the interests of product performance & development** 

E&OE



# **DATA SHEET - Process Automation - Alarm Trip**

Subject to change without notice

## PTS-VC-XX/RC





