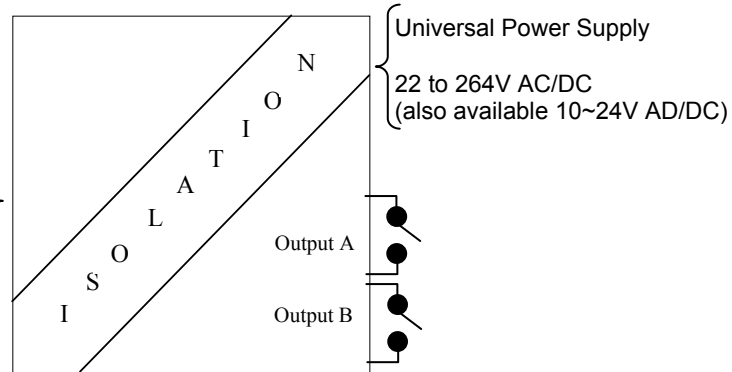# INTECH INSTRUMENTS LTD

PI-S PROGRAMMABLE DUAL SET POINT OR ALARMS

- **Field Programmable Input Ranges.**
- **Isolated Input to Output 1.6kV.**
- **High Accuracy.**
- **Universal AC/DC Power Supply.**
- **0~100% Alarm Set Point Range**
- **Dual Relay or SSR Drive Outputs.**
- **LED Indication of Relay Status.**
- **N.O. / N.C. Selectable Contacts.**
- **0.2~30sec Adjustable Delay.**
- **High, Low, Window & Differential Selectable Alarms.**

This PI-S is a very flexible, 2 set point module, with a solution for most 2 set point applications.

Mode	Alarm/Control Relay Action Options	
	Relay A	**Relay B**
A	**High Alarm** set point A	**High Alarm** set point B
B	**High Alarm** set point A	**Low Alarm** set point B
C	**High Alarm** set point A	**Slave** off set point A (set point B has no effect) no delay available
D	**High Alarm** set point A	**Slave** off set point A (set point B has no effect)
E	**High Alarm** set point A	**Inverted Salve** off set point A (set point B has no effect)
F	**High Alarm** set point A	**High Alarm** set point B
G	**High Alarm** set point A	**Low Alarm** set point B
H	**High Alarm** set point A	**Slave** off set point A (set point B has no effect) no delay available
I	**High Alarm** set point A	**Slave** off set point A (set point B has no effect) no delay available
J	**High Alarm** set point A	**Inverted Salve** off set point A (set point B has no effect)
K	**Window Comparator** Operates between set point A & B	**High Alarm** set point B
L	**Window Comparator** Operates between set point A & B	**Low Alarm** set point B
M	**Window Comparator** Operates between set point A & B	**Slave Window Comparator** Operates between set point A & B no delay
N	**Window Comparator** Operates between set point A & B	**Slave Window Comparator** Operates between set point A & B no delay
O	**Window Comparator** Operates between set point A & B	**Inverted Window Comparator** Operates between set point A & B
P	**Differential Latch** Operates between set point A & B	**High Alarm** set point B
Q	**Differential Latch** Operates between set point A & B	**Low Alarm** set point B
R	**Differential Latch** Operates between set point A & B	**Slave Differential Latch** Operates between set point A & B no delay
S	**Differential Latch** Operates between set point A & B	**Slave Differential Latch** Operates between set point A & B
T	**Differential Latch** Operates between set point A & B	**Inverted Differential Latch** Operates between set point A & B

ISOLATION

Universal Power Supply

22 to 264V AC/DC (also available 10~24V AD/DC)

Output A

Output B

Flexibility extends from the simple High and Low alarms, to the more complex applications where 2 control or alarm points are required, or perhaps a combination of both control and alarm points is required.

For example, on 'Mode T' the Relay B output is used in reservoir level pump control applications, where Relay B will turn on when the reservoir level falls below the low set point level and stay latched in until the reservoir level exceeds the high set point.

Refer PI-S Installation Guide for full specifications