

## Weschler Process Loop Splitter

- Three Separate 4 mA to 20 mA Outputs
- Flexible and Simple Scaling
- DIN Rail Mounting
- Excitation Output
- Screw Terminal Connections
- Wide Power Supply Range
- Low Input Resistance
- Narrower Case than Previous Model

### SPECIFICATIONS

| Input                  |                                |
|------------------------|--------------------------------|
| Input Signal:          | 4 mA–20 mA, 0–10 mA            |
| Input Resistance:      | 50Ω                            |
| Excitation Voltage:    | 20 VDC nominal, 28mA max       |
| Output                 |                                |
| Number of Outputs:     | 3                              |
| Output Range:          | 4 mA–20 mA, 0–10 mA            |
| Adjustability:         | Zero ±1 mA, span ±9 mA         |
| Accuracy:              | ±0.1% of span                  |
| Speed of Response:     | 200 milliseconds               |
| Isolation:             | 380V to earth and power        |
| Drive Capacity:        | 600Ω per loop                  |
| Power Consumption:     | 3W max                         |
| Operating Temperature: | 0–50°C, <90% RH non-condensing |
| Size (mm):             | 22.5 W x 99 H x 111 D          |
| Mounting:              | DIN rail EN50 022              |
| Sealing:               | IP40                           |

The TIM-018 allows one 4 to 20 mA signal to be split into three separate loops. Each output has its own zero and span adjustments, which are accessible from the front panel.

All loops are load isolated so an open or short on one loop will not affect the other loops. An internal 20V supply provides sensor excitation.

Note: All loop + terminals are internally connected.



**TIM018-Mk2**

### ORDERING INFORMATION

|               |   |
|---------------|---|
| TIM018-Mk2-AC | Process Loop Splitter for 95-265VAC operation |
| TIM018-Mk2-DC | Process Loop Splitter for 11-30VDC operation  |

## Pyragon Universal Process I/O Module

- Direct Replacement for Transmation 3000 Series Modules
- Universal Input Includes TC, RTD, mADC, mVDC
- 4 Digit Alpha-Numeric LED Display
- Input Isolated from Output and Power
- 4 Year Warranty

### ORDERING INFORMATION

|           |                                 |
|-----------|---------------------------------|
| P3100     | Alarm/Transmitter in Metal Case |
| P3100-WOC | Alarm/Transmitter w/o case      |
| P3100T    | Transmitter Only                |

The P3100 accepts a wide variety of inputs. The 4 digit display provides a local readout. Use the P3100 in a new installation or to replace existing 3000 series units.



**P3100**

### SPECIFICATIONS

Models Replaced:

3510A, 3520A, 3530A, 3540A, 3610A, 3620A, 3630A, 3640A, 3650A, 3660A, 3510DRA, 3520DRA, 3530DRA, 3540DRA, 3610DRA, 3620DRA, 3630DRA, 3640DRA, 3650DRA, 3660DRA, 3510T, 3530T, 3610T, 3630T, 3650T, 3900F, 3909F

Input Types

|   |   |
|---|---|
| Thermocouple:                                 | J, K, T, E, R, S, B, L, U, N  |
| RTD (2 or 3 wires):                           | 100Ω Pt (α.00385, .00392, .003916);<br>200, 500 & 1000Ω Pt (α.00385);<br>120Ω Ni and 10Ω Cu |
| Current:                                      | ±20 & ±50mA DC ranges   |
| Voltage:                                      | ±1 & ±10V DC ranges   |
| Millivolts:                                   | ±70mV   |
| Potentiometer (3 wire) & Resistance (2 wire): | 50, 200 & 2000 ranges   |
| Frequency:                                    | Counts/minute, Hz & kHz ranges  |

|                            |   |
|----------------------------|---|
| Signal Output:             | 4–20mA DC (600Ω Load) or 1–5V DC, 10–50mA DC optional                                       |
| LED Display:               | 4-Digit Alphanumeric, Decimal Point configurable for 0, 1st, 2nd or 3rd place               |
| Front Panel Buttons:       | Relay Trip & Recovery parameters, Relay states override, Latch reset and output manual mode |
| Analog Accuracy:           | 0.1% of Span or 10mV referred to input  |
| Loop Power:                | 24VDC supply to power input mA signals up to 21mA   |
| DPDT Relay:                | Configurable delay & latching   |
| Working Voltage:           | 300VAC Input to Output to Input Power   |
| Isolation:                 | 1000VDC Input to Output to Input Power  |
| Configuration Interface:   | RS232, 1200 baud, ASCII half duplex   |
| Operating Temperature:     | 0–50°C  |
| Power (jumper selectable): | 100–240VAC, 50/60Hz and 24VDC ±10%  |