

ANALOG/PWM/FLOATING POINT TRI-STATE TRANSDUCERS DRN3.1, AIM1, AIM2, AFP AND DRN4 SERIES



DESCRIPTION

Pulse Width Modulation / Analog / Floating Point to Optically Isolated Resistance Output.
Input: 0.1-10, 0-10 sec. duty cycle, 0.023-6, 0.02-5, 0.59-2.93, and 0.1-25.5 sec. Rates of change: available from 30-240 sec., and 0.1-25.5 sec.
Analog: 0-5, 1-5, 0-10, 2-10, 0-15, 3-15 VDC, 0-20 and 4-20 mA. Output: 12 ranges, 0-135Ω to 0-40 kΩ and Custom. 256 Step Resolution. Power: 24 VDC/VAC @ 250 mA.
Size: 4.75"L x 3.25"W x 1.0"H (12.1 x 8.3 x 2.5 cm).

Input: Analog, PWM, Floating Point
Output: Resistance (0-135Ω to 0-40kΩ & custom ranges)



DRN3.1

DESCRIPTION

Analog Input to Optically Isolated Analog Output (1:1 Ratio) Input ranges and impedance: 0-5, 0-10 VDC @ 20kΩ, and 0-20 mA @ 250Ω. Output ranges and impedance: 0-5, 0-10 VDC @ 5kΩ, and 0-20 mA (source or sink) @ 500Ω. Power: 24 VAC @ 100 mA max.
Size: 3.3"L x 3.4"W x 1.5"H (8.4 x 8.6 x 3.8 cm).

Input: Analog
Output: Analog (optically isolated)



AIM1

DESCRIPTION

Analog Adjustable Input to Optically Isolated Analog Output (Rescales & Limits Output). Input ranges and impedance: 0-1, 0-5, 1-5, 0-10, and 2-10 VDC @ 9.5kΩ, 0-1, 0-20 & 4-20 mA @ 250Ω. Output: Same except for 0-1 VDC @ 5kΩ, & 0-20 mA @ 500Ω. Power: 24 VAC @ 200 mA max. Source or sink inputs & outputs.
Size: 4.6"L x 3.3"W x 1.2"H (11.7 x 8.4 x 3.1 cm).

Input: Analog
Output: Analog (isolated, rescale, & limit)



AIM2

DESCRIPTION

Analog to Floating Point.
Selectable inputs: 0-5, 1-5, 0-10, 2-10, 0-15, 3-15 VDC, 0-20 & 4-20 mA. Output: Floating point (digital UP/DOWN). Selectable rates of change: Standard- 30, 60 or 90 sec., Ver. 2- 120, 150 or 180 sec., Ver.3 -14, 16.5 or 19 sec., Ver.4- Same as Standard Version but relays do not turn off at min. and max. Ver5: 90, 135, or 180 sec. Ver6: 18, 75, 360 sec. Power: 24 VAC/ 24 VDC @ 190 mA max.
Size: 4.0"W x 3.5"L x 1.2"H (10.2 x 8.9 x 3.1 cm).

Input: Analog
Output: Floating Point (isolated)



AFP

DESCRIPTION

Pulse Width Modulation/Analog/Floating Point/Tri-State to Resistance Output.
Actuator mounted. Inputs-Pulse: 0.02-5, 0.59-2.93, 0.023-6 and 0.1-25.5 sec. Digital Floating Point: 55 sec. rate of change, Analog: 0-5, 1-5, 0-10, 2-10 VDC, & 0-20 mA, 4-20 mA. Output: 0-135Ω, 32 step resolution. Power 24 VDC or 24 VAC @ 130 mA.
Size: 2.4"L x 3.8"W x 1"H (5.8 x 8.9 x 3.8 cm).

Input: Analog, PWM, Floating Point
Output: Resistance (0-135Ω)



DRN4