



DRN4

PWM/Analog/Floating Point to Resistance Output

The DRN4 is a resistive output motor actuator interface that accepts several types of DDC system signals. The DRN4 output is 0 to 135 ohms. The input signal types are field selectable by an 8-position DIP switch. The floating point input accepts two digital signals, one for increase and the other for decrease. The floating point full scale rate of change is 55 seconds. Some triac input signals require an accessory. The DRN4 is supplied in an enclosure that can be directly mounted to a 1/2 inch knockout on the motor actuator. Color coded wire leads with spade connectors are provided for electrical connections. Some triac inputs require a Triac adapter kit. Johnson Control triac input signal requires a 1,000 ohm 1/2 watt resistor and is included with all DRN4s.



Applications: Electronic potentiometer, Electric Actuator control, Resistive Sensor Simulation, Motor Pot Replacement

The DRN4 is covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website, www.workaci.com.

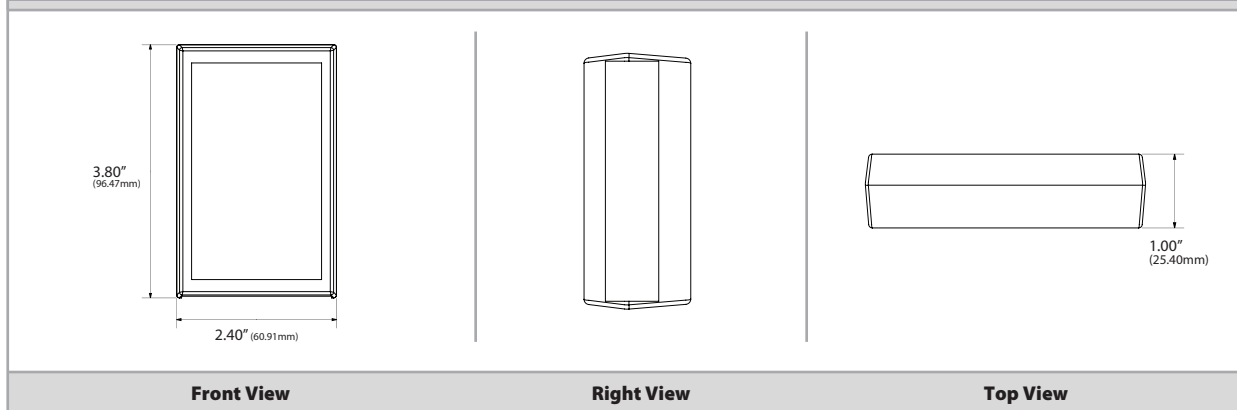
PRODUCT SPECIFICATIONS

Supply Voltage:	24 VAC or 24 VDC, +/-10%
Supply Current:	130 mA maximum
Input Voltage Signal Range (@ Impedance):	0 to 5 VDC 1 to 5 VDC 0 to 10 VDC 2 to 10 VDC @ 100,000Ω
Input Current Signal Range (@ Impedance):	0-20 mA, 4 to 20 mA @ 250Ω
Input Pulse Signal Source:	Relay Contact Closure, Transistor, Triac (Adapter Required)
Input Pulse Signal Trigger Level:	5-24 VDC/VAC
Off Time Between Pulses:	80 milliseconds
Pulse Ranges:	See Ordering Grid
Floating Point / Tri-State Input Signal Source:	Relay, Contact Closure, Transistor, or Triac (Adapter Required)
Floating Point / Tri-State Rates of Change:	55 seconds for full output span
Floating Point / Tri-State Input Signal Trigger Level:	5-24 VDC/VAC
Resistive Output:	0 to 135Ω (3 watts)
Resolution:	32 steps
Digital Output Type:	Form "C" Relays
Relay Contact Rating:	1A @ 30 VDC / 125 VAC
Relay Electrical Life:	100,000 operation @ 1A
Relay Mechanical Life:	10,000,000 operations
Connections / Wire Size:	Color coded 18 AWG wire leads with spade connectors
Mounting:	Mounts directly to 1/2" knockout on actuator housing
Operating Temperature Range:	35 to 120°F (1.7 to 48.9°C)
Operating Humidity Range:	10 to 95% non-condensing
Storage Temperature:	-20 to 150°F (-28.9 to 65.5°C)
Snaptrack Material:	Polyvinyl Chloride (PVC)
Snaptrack Flammability Rating:	UL94 V-0
Product Dimensions:	(L) 2.40" (W) 3.80" (H) 1.00" (60.96 x 96.52 x 25.4 mm)
Product Weight:	0.43 lbs. (0.196 Kg)
Agency Approvals:	RoHS2, WEEE





DIMENSIONAL DRAWING



STANDARD ORDERING

Model # Example: DRN4 -OR- 127200

Model #	Item #	Firmware Version #	Pulse Range (Seconds)
DRN4	127200	08000002.OBJ	0.59 - 2.93s 0.02 - 5.0s 0.1 - 25.5s
DRN4 VERSION #2	127200	08000101.OBJ	0.023-6.0s (Solidyne)

ACCESSORIES

Model # Example: A/DO008 -OR- 142583

Model #	Item #	Description
A/DO008	142583	Transient Voltage Suppressor, Bi-directional, 56 VAC/DC, 1500W
TRIAC	130899	Triac Adapter

