



DRN4

Input

Analog, Floating Point, Pulse

Output

Resistive

Multiple DDC Signal Input to Proportional 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.

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 web site, www.workaci.com.



Specifications

Supply Voltage	24 VAC or 24 VDC, +/-10%
Supply Current	130 mA maximum
Input (Pulse)	Relay, Contact Closure, Transistor or Triac (adapter required)
Pulse Signal Trigger Level	5 to 24 volts AC or DC
Off Time Between Pulses	80 milliseconds
Pulse Standard Ranges	Version 1: .59 - 2.93 sec, .02 - 5 sec, .1 - 25.5 sec Version 2: .023-6 sec (Solidyne)
Input (Floating Point or Tri-State)	Relay, Contact Closure, Transistor, or Triac
Floating Point or Tri-State Signal Source	Adaptor Kit Required
Floating Point or Tri-State Signal Trigger Level	5 to 24 volts AC or DC
Floating Point or Tri-State Rate of Change	55 seconds for full output span
Input (Analog)	0-5, 1-5, 0-10, and 2-10 VDC/0-20 and 4-20 mA
Impedance	100,000Ω (voltage)/250Ω (current)
Resistive Output/Resolution	0 to 135Ω (3 watts)/32 steps
Operating Temp/RH	32 to 120°F (0 to 48.9°C)/10 to 95% non condensing
Relay Contacts	Form C, Gold-clad silver
Rating	2A maximum resistive @ 24 volts
Electrical Life	100,000 operations @ 1A
Mechanical Life	10 million operations
Product Dimensions	(L) 2.25" (W) 3.50" (H) 1.50"

Ordering

Please select a Timing Range (A). Choose an Optional Accessory (1) if desired.

A Timing Ranges

- (Standard, Ranges Listed Above)
- Version 2** (0.023 to 6 Seconds for Solidyne™)

1 Optional Accessories

- (None)
- Triac Adapter**

Build your part number

After completing (A) from the above table, fill in the Part Number Table below. (1) is an Optional Accessory. The "Sensor Series" is a factory default. An example part number is offered.

DRN4 —

Sensor Series

A

EXAMPLE: DRN4 - Version 2

1

EXAMPLE: Triac Adapter

