VOLTAGE TO RESISTANCE TRANSDUCER

- **Electrically isolated resistive output**
- **Fail safe to original control**
- **Status indicators**
- **Compact and economical**



DRN3

The DRN3 is an interface that allows microprocessor control of a variable resistance. The DRN3 isolated resistor network is controlled by pulse, analog, or tri-state input signals. It directly replaces a variable resistive controller and simulates the action of a slide wire or rotary potentiometer. All connections of the simulated potentiometer, the wiper and both ends of the resistance range, are available on the DRN terminal strip.

The DRN3 has on-board failback relays that lock out the original resistive controller during DRN3 operation. However, if the DRN3 supply power is lost, control of the circuit will revert back to the original controller or user installed shunt, switch or fixed resistor. This feature allows remote hand and system overrides. There are LED indicators for the power and input signals.

TECHNICAL DATA

SUPPLY:	24VAC or 24 VDC, +/- 10%, 250 mA max.	
DIMENSIONS:	6.2"L X 3.25"W X 1"H mounted on a snap track	
OPERATING:	-20 to 150 deg F, 10% to 95% rH	
RESOLUTION:	256 steps (No Wrap Around)	
PULSE OFF TIME:	80 milliseconds minimum	
TRI-STATE RATES OF CHANGE:	5, 15, 30, 90 seconds	
ANALOG RANGES:	0-5VDC or 1-5VDC	0-15Vdc or 3-15Vdc
	0-10VDC or 2-10VDC	0-20mA or 4-20mA
IMPEDANCES:	Voltage/115K ohms	Current/ 250 ohms
RELAY CONTACTS:	Form C, Gold-clad Silver, 2 amp max. resistive @ 24**V**	
	100,000 operations	

ORDERING DATA

DRN3 - (beginning resistance value **) - (** ending resistance value **) - (** wattage **)**

eg. DRN3-0-135-3 0-135 ohm version to interface to Honeywell products**.**

VOLTS to OHMS

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