



DRF-VDC, DRF-VAC DC and AC Voltage Input Signal Conditioners

All Models
£117



- ✓ AC/DC Voltage Input Ranges from 60 mV to 650 V
- ✓ Accuracy 0.3%
- ✓ Response Time for DC Signals: 70 ms
- ✓ Response Time for AC Signals: 250 ms
- ✓ Over-Range Protection for Voltage Inputs
- ✓ High-Impedance Voltage Inputs
- ✓ Galvanic Isolation Between Input, Output, and Power

DRF-VDC and DRF-VAC voltage signal conditioners accept DC and AC voltages, respectively, and provide an isolated 0 to 10 Vdc or 4 to 20 mA output. Models are available with three different power options; 24 Vdc, 115 Vac, and 230 Vac.

The DRF-VDC and DRF-VAC are ideally suited for industrial applications. All models mount on a standard 35 mm DIN rail and provide galvanic isolation between input, output, and power up to 3500 Veff (model specific).

Specifications

Accuracy: <0.2% full scale

Linearity: <0.1% full scale

Thermal Drift: 150 ppm/°C typical (max <200 ppm/°C)

Response Time

(DC Signal Input Models):

<70 ms (90% of signal)

at 20 Hz -3 dB

Response Time (AC Signal Input Models): <250 ms (90% of signal)

Input Impedance: 1 MΩ

for ranges <1 V, 10 MΩ

for ranges >1 V

Over-Range Protection:

1000 V for ranges greater than

100 V, 500 V for ranges less

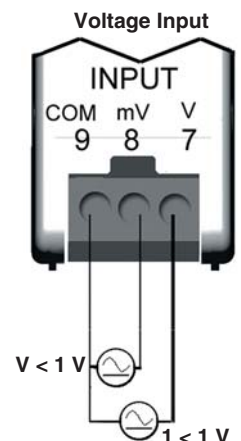
than or equal to 100 V



DRF-VDC-230VAC-300V-4/20, £117, shown larger than actual size

Input Range Table

| Range Code | DRF Vdc Range | DRF Vac Range |
|------------|---------------|---------------|
| 75MV | 0 to 75 mVdc | 0 to 75 mVac |
| 150MV | 0 to 150 mVdc | 0 to 150 mVac |
| 300MV | 0 to 300 mVdc | 0 to 300 mVac |
| 650MV | 0 to 650 mVdc | 0 to 650 mVac |
| 1V | 0 to 1 Vdc | 0 to 1 Vac |
| 7.5V | 0 to 7.5 Vdc | 0 to 7.5 Vac |
| 15V | 0 to 15 Vdc | 0 to 15 Vac |
| 65V | 0 to 65 Vdc | 0 to 65 Vac |
| 300V | 0 to 300 Vdc | 0 to 300 Vac |
| 650V | 0 to 650 Vdc | 0 to 650 Vac |



ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

| Model No. | Price | Description |
|------------------------|-------|---|
| DRF-VDC-(*)-(**)-(***) | £117 | Signal conditioner for DC voltage input |
| DRF-VAC-(*)-(**)-(***) | 117 | Signal conditioner for AC voltage input |
| CS-3776 | 34 | Reference Book: Analogue & Digital Circuits for Control System Applications |

* Specify power: "24VDC" for 24 Vdc power, "115VAC" for 115 Vac power or "230VAC" for 230 Vac power.

** Specify range code from the Input Range Table.

*** Specify output: "4/20" for 4 to 20 mA output or "0/10" for 0 to 10 Vdc output.

Ordering Example: DRF-VDC-230VAC-300V-4/20, signal conditioner for a DC voltage input with a 0 to 300 Vdc input range, 4 to 20 mA output and 230 Vac power, £117.

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• Flow and Level

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