

DRF-LC Load Cell Input Signal Conditioner



All Models
£121



- ✓ For Load Cells with 1 mV/V, 2 mV/V, and 3 mV/V Output
- ✓ Full Scale at 10 mV, 20 mV, and 30 mV
- ✓ Pre-Tare Jumpers at 50%, 25%, and 0%
- ✓ Accuracy 0.2%
- ✓ Response Time <75 ms
- ✓ Galvanic Isolation between Input, Output, and Power

The DRF-LC signal conditioner accepts a load cell input and provides 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-LC is 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). Module response time is 75 ms or less.

Specifications

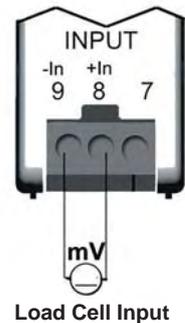
- Accuracy:** <0.2% full scale
- Linearity:** <0.1% full scale
- Thermal Drift:** 250 ppm/°C typical (max <200 ppm/°C)
- Response Time:** <75 ms (90% of signal)
- Bandwidth:** 20 Hz (-3 dB)
- Pre-Tare:** 50%, 25% and 0% by jumpers
- Impedance:** 5 MΩ
- Over-Range Protection:** 15 V max differential input

DRF-LC-230VAC-30MV-0/10, £121, shown larger than actual size

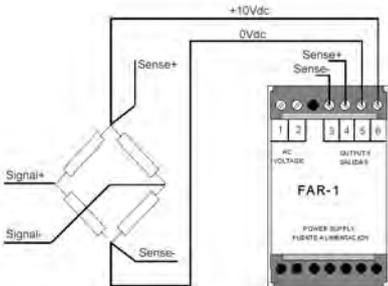


FAR-1, £82, 10 Vdc power supply, shown smaller than actual size

The FAR-1 is a 10 Vdc power supply for load cells. It can power up to 4 standard load cells. It accepts 4-wire load cells and 6-wire load cells. It can be mounted on a standard DIN rail.



Load Cell Input



FAR-1 Power Supply with Load Cell

Range Code Table

Range Code	Range
10MV	0 to 10 mV
20MV	0 to 20 mV
30MV	0 to 30 mV

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
DRF-LC-(*)-(**)-(***)	£121	Signal conditioner for load cell input
FAR-1-220	82	10 Vdc power supply, 230 VAC Powered
CS-3767	67	Reference Book: Electrical Engineers Handbook

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

** Specify range code from the Range Code Table.

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

Ordering Example: DRF-LC-230VAC-30MV-0/10, signal conditioner for load cell input with a 0 to 30 mV input range, 0 to 10 Vdc output and 230 Vac power, £121.

NEWPORT® Switching Power Supply

iDRN-PS-1000

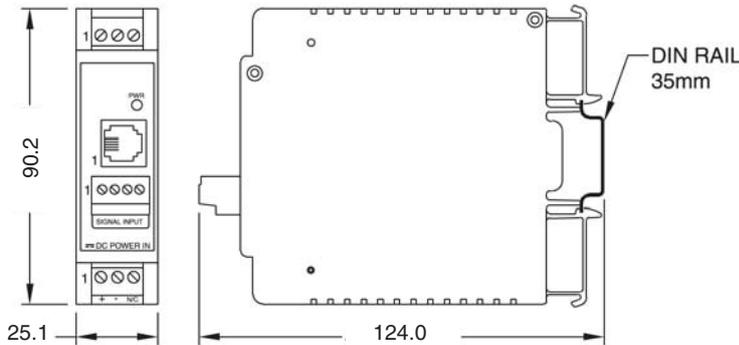
TRANSMITTERS

- ✓ 24 Vdc Supply for iDRN/iDRX Modules
- ✓ iDRN-PS-1000 Switching Supply Powers Up to 7 Units

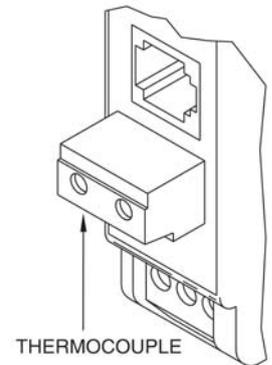
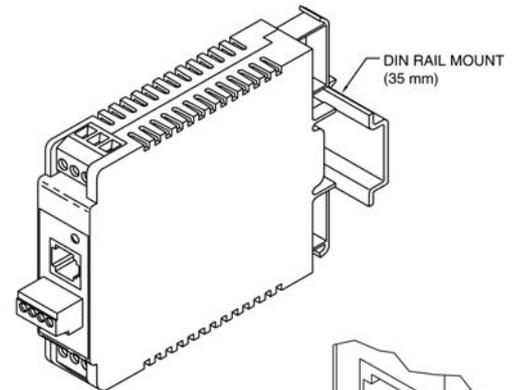
Model No.	Price	Description
iDRN-PS-1000	£101	Power Supply (switching), 95 to 240 Vac input, 24 Vdc output @ 850 mA (power 7 units)
SOFTWARE		
OPC-SERVER LICENSE	£198	OPC Server for Signal Conditioners
iDRX-RS485-SW	Free	Active X Controls and Configuration Software/iDRX Windows 95/98/NT/XP. Free Sample Visual Basic App Source Code.
iDRN-RS232-SW	Free	Active X Controls and Configuration Software/iDRN Windows 95/98/NT. Free Sample Visual Basic App Source Code.
-FS	Free	Factory setup and scaling
ACCESSORIES		
CAT-285	£90.20	Bi-directional RS232-RS485 converter for DRX series
DB9-RJ12	20.10	DB9 to RJ12 Connector Adaptor, includes 7' RJ12 cord
DB25-RJ12	20.10	DB25 to RJ12 Connector Adaptor, includes 7' RJ12 cord
RJ12T	10.05	RJ12 "T" Split Connector for RS485 instruments, includes 7' RJ12 cord



£101
iDRN-PS-1000

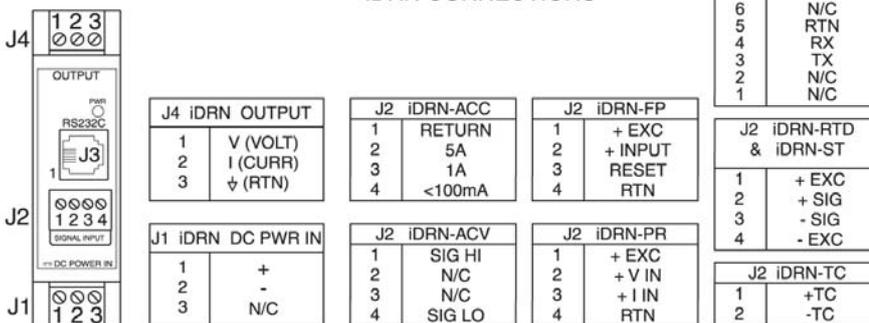


NOTE: DIMENSIONS ARE IN INCHES WITH MILLIMETERS IN [].

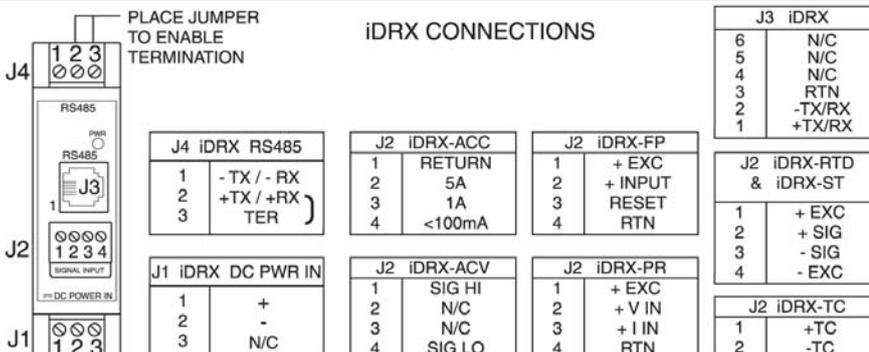


THERMOCOUPLE

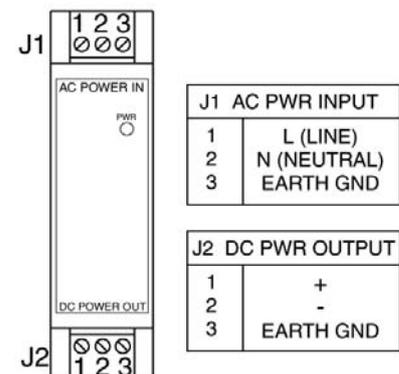
iDRN CONNECTIONS



iDRX CONNECTIONS



iDRN-PS-1000 CONNECTIONS





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