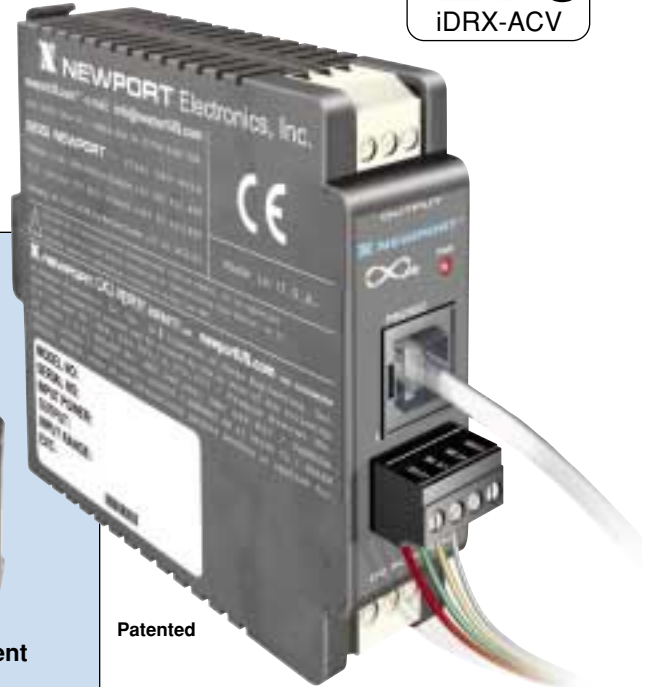


AC Voltage/Current Signal Conditioners

\$270
iDRX-ACV

iD Series

- ✓ **Software Selectable Input Ranges iDRX-ACV:**
0 to 400 mV to
0 to 400 Vac
**iDRX-ACC: 0 to 10 mA to
0 to 5 A ac**
- ✓ **14-Bit Resolution (max)**
- ✓ **0.2% FS Accuracy**
- ✓ **1800 V Isolation**
- ✓ **Free Setup and Configuration Software**
- ✓ **Factory Setup and Configuration Available at No Charge (for iDRN Analog Output models)**



The **iDRN** and **iDRX** Series signal conditioners provide highly accurate, stable and isolated measurement of AC voltage and current signals across extremely wide ranges: AC Current ranges from 0 to 10 mA through 0 to 5 A ac; AC Voltage ranges from 0 to 400 mV to 0 to 400 Vac.

ANALOG or DIGITAL OUTPUTS

The **iDRN-ACV** and **iDRN-ACC** accept ac voltage and ac current respectively and provide an analog output which is proportional to the input. The **iDRX-ACV** and **iDRX-ACC** accept ac voltage and ac current respectively and transmit via RS-485 Serial Communications.

ANALOG OUTPUT MODEL

The Analog Output models can be configured for outputs of 0 to 10 Vdc, 4 to 20 mA or 0 to 20 mA with the free configuration software. The modules connect to a PC with RS-232 Serial Communications, or by Ethernet with the optional **EIS-2** module. Once configured the settings are stored in non-volatile memory and the unit can be disconnected from the PC.

Factory Setup and Configuration at No Extra Charge (iDRN Analog Output Modules)

Please Specify:

iDRN-ACV: Input Value High & Low
Output Value High & Low

Example: 0 volts = 4 mA,
400Vac = 20 mA

iDRN-ACC: Input Value High & Low
Output Value High & Low

Example: 0 A = 4 mA, 5 A = 20 mA

DIGITAL OUTPUT MODEL

The **iDRX-ACC** (Current) and **iDRX-ACV** (Voltage) communicate via RS-485 Serial Communications using either simple ASCII Commands or the popular MODBUS Protocol. Up to 32 modules may be connected to a single RS-485 port stretching up to 4,000 ft., more with RS-485 repeaters.

ETHERNET CONNECTION

The Optional **EIS-2** iServer module can connect up to thirty-two (32) **iDRX** RS-485 Signal Conditioners to an Ethernet network and the Internet using standard TCP/IP protocol. The iServer can also be used as a simple Serial to Ethernet "bridge" or converter to connect a single **iDRN** RS-232 device to an Ethernet network and the Internet.

Specifications

Accuracy at 25°C: ±0.2% FS

Resolution: 10 to 14-bit

Power Consumption: 2.4 W;

(100 mA @ 24 Vdc)

MODEL iDRX-ACV/iDRN-ACV

Input Ranges: 0 to 400 mV to
0 to 400 Vac full scale

Interface: RS-485; RJ-12 or screw
terminal connector

MODEL iDRX-ACC/ACC

Input Ranges: 0 to 10 mA to 0 to
5 A ac full scale

iDRX Output: 2-wire (half duplex)
RS-485 (NEWPORT® Serial Protocol
and MODBUS Serial Protocol)

iDRN Output: 0 to 10 V@10 mA max;
0 to 20 mA or 4 to 20 mA

ACV Default settings iDRN:
Input 0-400 VAC; Output 4-20 mA
(Custom Settings available at no charge.)

ACC Default settings iDRN:
Input 0-5 Amp; Output 4-20 mA
(Custom Settings available at no charge.)

To Order (Specify Model Number)

Model No.	Price	Description
iDRX-ACC	270	Digital signal conditioner with RS-485 output for ac current input
iDRX-ACV	270	Digital signal conditioner with RS-485 output for ac voltage input
iDRN-ACC	345	Signal conditioner with analog output for ac current inputs
iDRN-ACV	345	Signal conditioner with analog output for ac voltage inputs
-FS	Free	Factory setup and scaling

Each unit supplied with complete operator's manual.

Ordering Example: iDRN-ACV signal conditioner (\$345), and DB9-RJ12 connector adapter (\$30), \$345 + \$30 = \$375.

For iDRN/iDRX accessories and power supplies, please see start of this section.