

IQ3xact Controller



Features and Highlights

- Ethernet (10Mbps) network with TCP/IP protocol
- Embedded web server
- Secure monitoring and control from a web browser
- 6 universal inputs and 6 analog outputs
- EIA-232 local supervisor port
- SDU-xcite capable
- Small footprint with DIN-rail mounting



The Novar IQ3xact is a Web-enabled building automation system (BAS) controller that uses Ethernet and TCP/IP networking technologies. In addition to the standard IQ protocol, the IQ3xact incorporates a Web server, which can deliver user-specific Web pages to a personal computer or mobile device with Internet browser software. This allows you to monitor or adjust the controller from any Internet access point in the world.

The IQ3xact controller is DIN-rail mounted and has 6 inputs and 6 outputs. Use the EIA-232 port on the IQ3xact to connect to a personal computer or display (SDU-xcite).

NOVAR CONTROLS

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Technical Data

- **Power** 24 to 36 VDC +/- 10%, 24 VAC +/- 15% 50/60 Hz, 40 VA max.
- **Universal Inputs** 6 universal inputs on channels 1-6. Linkable for analog voltage (V), analog current (I), thermistor (T), or digital (D).
 - V = 12 bit resolution. Minimum 60 dB series mode rejection at supply frequency. 0-10 V, input resistance 200k ohm, accuracy 50 mV equivalent to +/- 0.5% of span.
 - I = 12 bit resolution (4096 steps - effective). Minimum 60 dB series mode rejection at supply frequency. 0-20 mA, input resistance 240 ohm, accuracy 0.5% of span. Loop powered input supply is 20 to 36 VDC.
 - T = 12 bit resolution. Minimum 60 dB series mode rejection at supply frequency. Thermistor bridge resistor 10 k ohm 0.1%, accuracy 0.5% of span. Bridge supply 5 V.
 - D = Dry contact. Count rate 30 Hz (minimum pulse width of 20 ms). Wetting current = 3 mA nominal. 5 V supply. Status LED per channel (ON = closed contact).
- **Analog Voltage Outputs** 6 voltage outputs on channels 11-16. 11 bit resolution. 0-10 V with 20 mA current limit, accuracy +/- 0.5% of span.
- **Memory** 16 Mbyte SDRAM and 8 Mbyte Flash.
- **Controller Dimensions** 10.35" (263mm) x 5.91" (150mm) x 1.81" (46mm).
- **Environmental** 32–113°F (0–45°C). 0–90% RH, non-condensing. Controller should be mounted inside enclosure.
- **Ratings** Listed Underwriters Laboratory for Energy Management Equipment under the UL Standard for Safety 916. U.S. and Canadian certification.

Ordering Information

Item number	Description
882001190	IQ3xact Web-enabled controller with 6 universal inputs and 6 analog outputs (non-expandable).

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