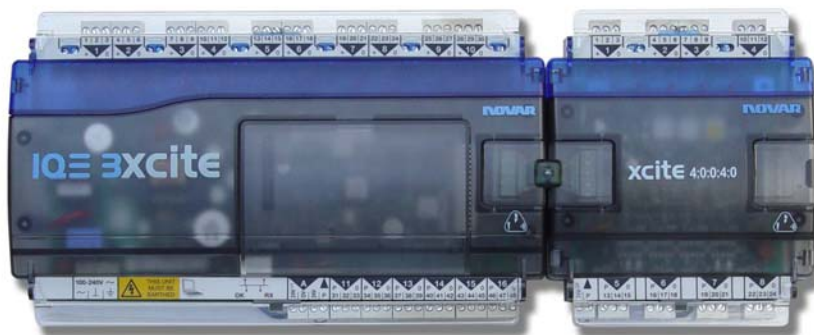


IQ3xcite Controller



Features and Highlights

- Ethernet (10Mbps) network with TCP/IP protocol
- Embedded Web server
- Secure monitoring and control from a web browser
- 10 universal inputs and 6 analog outputs
- Expandable to 96 points using optional I/O modules
- EIA-232 local supervisor port
- Local display (SDU-xcite)
- Small footprint with DIN-rail mounting
- Multiple language support



The Novar IQ3xcite 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 IQ3xcite 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 IQ3xcite controller from any Internet access point in the world.

The IQ3xcite controller is DIN-rail mounted and has 10 inputs and 6 outputs (expandable up to 96 points using I/O modules) allowing for compatibility with a wide range of HVAC and other control and monitoring applications. Use the EIA-232 port on the IQ3xcite 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** 10 universal inputs on channels 1-10. 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 and I/O modules should be mounted inside enclosures.
- **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
882001200	IQ3xcite Web-enabled controller with 10 universal inputs and 6 analog outputs (non-expandable). Supplied with I/O bus terminator.
882001210	IQ3xcite Web-enabled controller with 10 universal inputs and 6 analog outputs (expandable to 96 points with I/O modules). Supplied with I/O bus terminator.
882001220	IQ3xcite I/O module with 8 universal inputs.
882001230	IQ3xcite I/O module with 4 universal inputs and 4 analog outputs.
882001240	IQ3xcite I/O module with 8 digital outputs.
882001250	IQ3xcite I/O module with 4 universal inputs.
882001260	IQ3xcite I/O module with 2 universal inputs and 2 analog outputs.
882001270	IQ3xcite I/O module with 4 digital outputs.

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