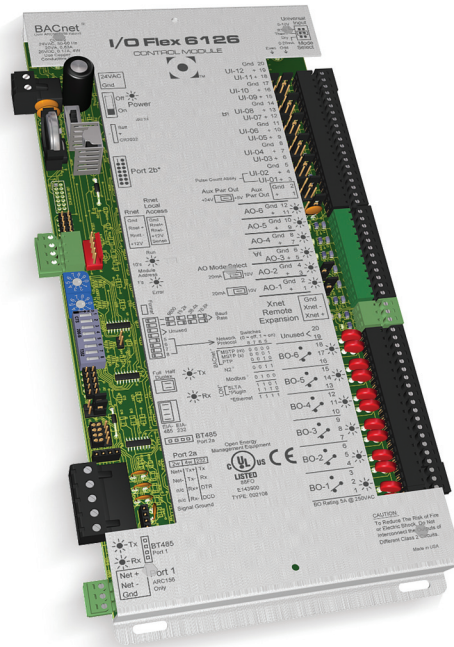


Stand-Alone Controller

I/O Flex 6126



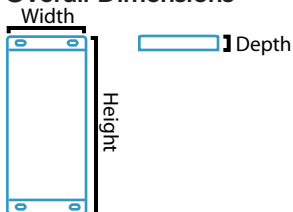
The I/O Flex 6126 is a general-use controller that can be easily customized to meet any sequence of operation needs. Fully capable of operating in a 100% stand-alone control mode, the I/O Flex 6126 can connect to a Building Automation System (BAS) using any of today's four leading protocols: BACnet (ARC156, MS/TP, and PTP), Modbus (RTU & ASCII), N2, and LonWorks. The point mapping to all of these protocols can be pre-set, so that the protocol and baud rates desired can be easily field-selected without the need for any additional downloads or technician assistance. The I/O Flex 6126 provides ample input/output capacity on the base controller, plus support for an expander board if additional I/O capacity is needed.

Key Features and Benefits

- I/O point count: up to 48 I/O points using the I/O Flex Ex8160.
- Built-in protocol support: BACnet (Ethernet, IP, ARCNET, MS/TP, and PTP modes), Modbus (RTU and ASCII modes supported), N2, and LonWorks.
- Remote access support over the Internet/Intranet or modem.
- Custom programmable using our powerful Eikon graphic programming tool. Eikon allows you to create graphic control sequences for your application, which can be fully simulated off-line (with Eikon's simulation tool) and graphically viewable live on your equipment - the ultimate diagnostic tool.
- Powerful, high-speed 16-bit microprocessor with 1MB Flash memory and 1MB of battery-backed RAM. Firmware upgrades can be downloaded locally or remotely - no chip replacements necessary.
- Built-in support through an Rnet port for OEMCtrl's custom configurable keypad/display unit, BACview⁶ (4-line by 40 character per line display); for intelligent sensors; and for local laptop access.

I/O Flex 6126 Specifications

Power	24VAC \pm 15%, 50-60Hz, 20VA power consumption (single Class 2 source only, 100VA or less).
Physical	Rugged aluminum housing, removable screw terminals with custom silk-screening available.
Environmental Operating Range	-40° to 150°F (-40° to 65.5°C); 10 to 95% relative humidity, non-condensing..
Digital Outputs	Six digital outputs, relay contacts rated at 5A resistive @ 250VAC; configured as dry contact, normally open or normally closed.
Universal Inputs	Twelve inputs, configurable for 0-10V, RTD Therm Dry, or 0-20mA Inputs 1 and 2 may be used for pulse counting.
Analog Outputs	Six analog outputs; AOs 1 and 2 are configurable for 0-10V or 0-20mA; AOs 3 through 6 are 0-10V only.
Standard Communication Ports	<p>Port 1: Connect to an ARCNET only.</p> <p>Port 2a: Configurable for EIA-232 or EIA-485 (2-wire or 4-wire). Network protocol selectable for BACnet (MS/TP or PTP), Modbus, N2, LonWorks SLTA, or modem.</p> <p>Port 2b: This port is not yet available; in the future, it will be configurable for LonWorks plug-in or Ethernet.</p> <p>Rnet port: Interface with a BACview6, RS sensors, or local laptop.</p> <p>Xnet Remote Expansion port: Connect to an I/O Flex 8160 point expander via the Xnet network.</p>
Optional Plug-Ins	<p>Option 1: LonWorks</p> <p>Option 2: Ethernet - for local or Internet access to the controller using BACnet/IP and/or to access a custom web page served up by the I/O Flex 6126 (using a standard Internet browser package, such as Internet Explorer).</p>
Status Indication	Visual (LED) status of power, running, and errors. LED indicators for transmit/receive for Port 1 and Port 2a and for each of the 12 outputs.
Battery	Lithium 3V coin cell battery, CR2032, provides a minimum of 10,000 hours of data retention during power outages.
Protection	Surge and transient protection circuitry for power and communications..
Listed by:	FCC Part 15 - Subpart B - Class A. Pending listings at the time of publishing this document: UL 916 (PAZX), cUL C22.2 No. 205-M1983 (PAZX7), CE (1997).
Weight	1 lb., 3 oz. (.5 Kg)
Overall Dimensions	5" (width) by 11-3/4" (height) by 2" (recommended panel depth). 127mm (width) by 299mm (height) by 51mm (recommended panel depth).



Mounting Hole Dimensions	4" (width) by 11 3/8" (height). 102mm (width) by 289mm (height)
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