

## Input/Output Module (IOM) Catalog Page

### Description

The Input/Output Module (IOM) is a simple point multiplexer that provides monitoring of up to two analog inputs, two binary inputs, and scheduling of up to four binary outputs.

The IOM uses either the System Manager (SM) or Verasys™ Smart Building Hub (SBH) to monitor and control auxiliary points in a facility. Monitor input points using the SM and schedule binary output points with the SM scheduling feature.

Refer to the *Commercial Comfort System (CCS) Product Bulletin (LIT-12011347)* or the *Verasys System Product Bulletin (LIT-12012342)* for important product application information.

### Features

- ability to integrate facility loads, such as lighting or exhaust fans, into building occupancy schedules
- circuitry and connectors for the two Analog Inputs (AI), two Binary Inputs (BI), and four Binary Outputs (BO)
- point interlocking capability for advanced control of multiple conditions, such as temperature, humidity, carbon dioxide (CO<sub>2</sub>), fan status, occupancy status, and control mode

### Input/Output Module



### Repair Parts

If the Input/Output Module fails to operate within its specifications, replace the unit. For a replacement unit, contact the nearest representative.

### Selection Charts

#### Input/Output Module (IOM)

Code Number	Description
LC-IOM100-0	Input/Output Module (IOM)

#### Accessories (order Separately)

Code Number	Description
TE-68NT-0N00S	Wall temperature sensor, 1k ohm, nickel with temporary occupancy button
TE-631GM-1	Duct mount temperature sensor with 4-inch probe 1,000 ohm Ni RTD
HE-68N3-0N00WS	Space humidity sensor (3%)
TE-6313P-1	Outdoor air temperature sensor, 1,000 ohm nickel RTD
Y65T42-0	120/208/240 24 VAC Transformer, 40 VA hub, 4 x 4 plate mounting
TE-68NT-0N00S	Wall temperature sensor, 1k ohm, nickel with temporary occupancy button

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### Technical Specifications

Input/Output Module (IOM)	
Supply Voltage	20–30 VAC at 50 to 60 Hz, Class 2 power supply or Safety Extra-Low Voltage (SELV) at 50/60 Hz (20 VAC minimum)
Power Consumption	3 VA (not including external load)
Ambient Conditions	<b>Operating:</b> 32 to 122°F (0 to 50°C); 10 to 90% RH noncondensing <b>Storage:</b> -40 to 185°F (-40 to 85°C); 10 to 90% RH
Terminations	Screw terminals, 3-position screw terminal pluggable blocks
Controller Addressing	<b>CCS:</b> DIP switch set (4–7) <b>Verasys:</b> DIP switch set (4–127)
Communication Bus	BACnet® MS/TP; 3-wire system bus
Analog Input/Analog Output Resolution and Accuracy	<b>Analog Input:</b> 16-bit resolution <b>Analog Output:</b> 16-bit resolution and ±200 mV in 0–10 VDC applications
Processor	20 MHz Renesas® H8S2398 processor
Memory	1 MB flash nonvolatile memory for operating system, configuration data, and operations data storage and backup; 512k Synchronous Random Access Memory (SRAM) for operations data dynamic memory
Housing	<b>Plastic housing material:</b> ABS + polycarbonate UL94-5VB <b>Protection:</b> IP20 (IEC 60529)
Mounting	On a flat surface with screws and three mounting clips or a single 35 mm DIN rail
Dimensions (Height x Width x Depth)	5-1/2 x 5-1/2 x 1 in. (140 x 140 x 25 mm)
Shipping Weight	0.31 kg (0.68 lb)
Compliance	<b>United States:</b> UL Listed, File E107041, CCN PAZX, UL 916 FCC Compliant to CFR47, Part 15, Subpart B, Class A <b>Canada:</b> UL Listed, File E107041, CCN PAZX7, CAN/CSA C22.2 No. 205, Signal Equipment Industry Canada Compliant, ICES-003