



# Input/Output Expansion Modules

Advanced Controllers for OEM Applications



## More ways to control more equipment

Now you can take a broader view of your control options for more equipment applications. The PEAK™ Input/Output Module (PK-IOM) Controllers can be integrated with PEAK Programmable and Configurable Controllers to expand the point count. This gives you more control over a wide variety of equipment, from simple fan coils and heat pumps to complex central plant equipment.

The PEAK IOM Controllers are BACnet® Application Specific Controllers (B-ASCs) with integral RS-485 Master-Slave/Token-Passing (MS/TP) communications. So your equipment seamlessly integrates and communicates with other building automation system components that use BACnet.

## Features

- A common hardware design throughout the family line supports standardized wiring practices and installation workflows. The common software platform supports a single tool for control applications, commissioning, and troubleshooting to minimize technical training.
- Auto Tuned Control Loops reduce commissioning time, eliminate change-of-season recommissioning, and reduce wear and tear on mechanical devices.
- Universal inputs, configurable outputs, and point expansion modules allow multiple signal options for greater input/output flexibility.
- Interoperable with the BACnet Laboratories™ (BTL) listed PEAK Programmable Controllers.
- 32-bit microprocessor ensures optimum performance and meets industry specifications.
- BACnet Automatic Discovery support enables easy controller integration into BAS.
- Plug-in communications bus and supply power terminal blocks expedite installation and troubleshooting.
- Ability to reside on the FC Bus or SA Bus results in greater application flexibility.

## IOM Series Point Type Counts Per Model

Point Types	Signals Accepted	IOM 1711	IOM 2711	IOM 2721	IOM 3711	IOM 3721	IOM 3731	IOM 4711
Universal Input (UI)	Analog Input, Voltage Mode, 0-10 VDC Analog Input, Current Mode, 4-20 mA Analog Input, Resistive Mode, 0-2kohm, RTD (1k NI [Johnson Controls], 1k PT, A99B SI), NTC (10K Type L, 2.252K Type 2) Binary Input, Dry Contact Maintained Mode		2	8	4			6
Binary Input (BI)	Dry Contact Maintained Mode Pulse Counter/Accumulator Mode (High Speed), 100 Hz	4				16	8	2
Analog Output (AO)	Analog Output, Voltage Mode, 0-10 VDC Analog Output, Current Mode, 4-20 mA			2				2
Binary Output (BO)	24 VAC Triac						8	3
Universal Output (UO)	Analog Output, Voltage Mode, 0-10 VDC Binary Output Mode, 24 VAC/DC FET Analog Output, Current Mode, 4-20 mA		2		4			
Configurable Output (CO)	Analog Output, Voltage Mode, 0-10 VDC Binary Output Mode, 24 VAC Triac							4
Relay Output (RO) (-0 models only)	120/240 VAC		2		4			
Relay Output (RO) (-1 models only)	24 VAC, SELV		2		4			
Relay Output (RO) (-2 models only)	240 VAC		2		4			



## IOM Series Ordering Information



Product Code Number								
PK-IOM1711-0	PK-IOM2711-0	PK-IOM2711-2	PK-IOM2721-0	PK-IOM3711-0	PK-IOM3711-2	PK-IOM3721-0	PK-IOM3731-0	PK-IOM4711-0
Description								
4-Point IOM with 4 BI, FC Bus, and SA Bus Support	6-Point IOM with 2 UI, 2 UO, 2 BO, FC Bus, and SA Bus Support. Relays are rated for 120/240 VAC.	6-Point IOM with 2 UI, 2 UO, 2 BO, FC Bus, and SA Bus Support. Relays are rated for 240 VAC.	10-Point IOM with 8 UI, 2 AO, FC Bus, and SA Bus Support.	12-Point IOM with 4 UI, 4 UO, 4 BO, FC Bus, and SA Bus Support. Relays are rated for 120/240 VAC.	12-Point IOM with 4 UI, 4 UO, 4 BO, FC Bus, and SA Bus Support. Relays are rated for 240 VAC.	16-Point IOM with 16 BI, FC Bus, and SA Bus Support.	16-Point IOM with 8 BI, 8 BO, FC Bus, and SA Bus Support.	17-Point IOM with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, FC and SA Bus Support
Approvals								



Your world just got a lot bigger.



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