Choose From The Most
Complete Line Of
Input/Output Modules Available

The Honeywell Brand

The Honeywell name is the most trusted in the industry for a variety of reasons. The first is reliability. Honeywell products are built for long-term service, helping contactors to reduce and often eliminate callbacks. Honeywell is also always on the leading edge of innovation, using technology not only to develop new products but also to make sure products are easy for contractors to install and use, such as the groundbreaking link that joins Compact I/O modules in a snap.

Honeywell I/O Modules Are Designed with Flexibility in Mind

Compact I/O Modules

It's a snap! Literally. Honeywell's innovative Compact I/O Modules use a simple link that joins modules without individual extra wiring. So you can link up to 15 modules without the time and hassle of extensive wiring. You only need to run power and network wires once.

Honeywell Compact I/O Modules break the mold of requiring you to buy a module with more inputs/outputs than you need. Because Compact I/O Modules have a low number of I/Os, you won't be stuck paying for several unused I/Os. Add in the small profile that allows you to place a Compact I/O Module where other modules won't fit, and you'll see how Honeywell Compact I/O Modules save you time, hassles and money. With Compact I/O Modules, the communication capability is built-in.

To download plug-ins, go to: plugin.ge51.honeywell.de/

The Most Extensive I/O Module Line Available

Honeywell offers – by far – the most extensive I/O module line available. With Honeywell, you don't have to settle for only one or two choices. Honeywell has 14 I/O modules, encompassing three families, to fit all your application needs: Distributed I/O, Smart I/O, and the new Compact I/O. When you choose Honeywell, you know you'll have the perfect I/O module for any application, including modules that work with other automation system brands.

Why You Need Honeywell's I/O Modules

When you purchase a new controller for an HVAC system, it may not have enough inputs or outputs that you need. Instead of purchasing a second controller, Honeywell's family of I/O modules let you add the specific inputs/outputs that you want so you won't have to spend money on another expensive controller. I/O modules still require a controller to control them; they simply add the additional inputs/outputs where they are needed.

I/O Modules Save Time And Money

But the Honeywell difference goes beyond the superior selection. Honeywell I/O modules are designed to save you time and money by shortening the installation process. Plus, the new Compact I/O models eliminate wiring between modules altogether! Easily expandable and built for long service life, Honeywell I/O modules are the only brand you need for any I/O application.

You may have a project where a sensor needs to be retrofitted on the outside of the building, but the controller with its inputs and outputs is located in a mechanical room in the basement. Although the building is already network wired, you must run new wire from the controller to the outdoor sensor, costing you time and money.

Instead of laying new wire to connect the outdoor sensor to the controller in the basement, install an I/O module close to where you will install the outdoor sensor. Then connect the I/O module to the sensor. The I/O module utilizes the networked wiring to connect the sensor to the controller.

"Snap and Click" Technology Simplifies Installation

Compact I/O modules also offer "Snap and Click" technology, simplifying the installation process by allowing you to snap together up to 15 I/O modules without needing additional wire for power and network.

Smart I/O Modules

Honeywell Smart I/O Modules can be used in all open LONWORKS® environments. These versatile I/O modules have all four types of software-configurable digital and analog inputs and outputs in one convenient package so you don't have to buy more than one module, making them ideal for installation at strategic locations throughout your buildings. The modules convert physical input signals from sensors into network variables and the network variables into physical output signals for operating actuators. The diverse mix of inputs and outputs (flexibly configurable using Honeywell's LNS plug-ins) makes Smart I/O Modules ideally suited for a wide range of intelligent, distributed applications.

Distributed I/O Modules

Honeywell Distributed I/O Modules are LONMARK™ compliant digital and analog I/O modules that convert sensor readings and provide output signals used for operating actuators via LONWORKS standard network variables (SNVTs). Each Distributed I/O Module plugs into a base terminal block allowing communication with controllers via the LONWORKS bus interface. The terminal block provides spring clamp terminals for easy connection of field cables from the various sensors and actuators. The modular system allows Distributed I/O Modules to be removed from the system without disturbing other modules. Unlike the Smart I/O modules, here you must choose a specific type of I/O; one module does not have all four types of I/O on it.

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COMPACT I/O MODULES

COMPACT I/O	LON NETWORK INTERFACE	DIGITAL INPUTS	DIGITAL OUTPUTS	ANALOG INPUTS	ANALOG OUTPUTS	ANALOG INPUT RANGES	ANALOG OUTPUT RANGES	MANUAL OVERRIDES	COMMENTS
XIO-4DI	•	4							
XIO-10DI	•	10							
XIO-4DO	•		4					•	
XIO-8AI	•			8		Temperature input for all sensor types in the range of 40 Ohms up to 4 M Ohms			
XIO-4AO	•				4		0 To 10 V DC	•	
XIO-4PT1000	•			4		PT1000 sensor curve			
XIO-4NTC	•			4		20 Kilo Ohm NTC sensor curve			
XIO-10HUB									Provides additional potential free contacts as supporting contacts to connect digital outputs, analog outputs, etc.

XIO-4DI

XIO-10DI

XIO-4DO

XIO-8AI

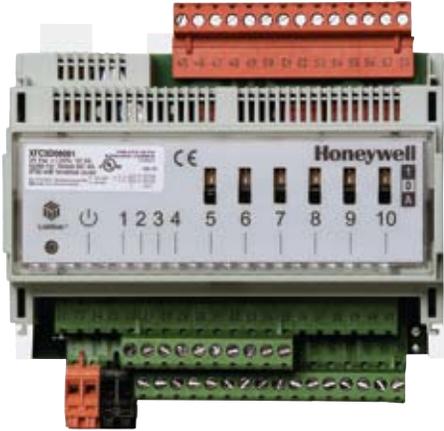

XIO-4AO

XIO-4PT1000

XIO-4NTC

XIO-10HUB

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SMART I/O MODULES

SMART I/O	LON NETWORK INTERFACE	DIGITAL INPUTS	DIGITAL OUTPUTS	ANALOG INPUTS	ANALOG OUTPUTS	ANALOG INPUT RANGES	ANALOG OUTPUT RANGES	MANUAL OVERRIDES	COMMENTS
XFC3A06001	•	4	4	4	2	20 Kilo Ohm NTC sensor curve	0 to 10 V DC		
XFC3D06001	•	4	4	4	2	20 Kilo Ohm NTC sensor curve	0 to 10 V DC	•	Includes status LEDs

XFC3A06001

XFC3D06001

NEW! DISTRIBUTED I/O MODULES

DISTRIBUTED I/O	DIGITAL INPUTS	DIGITAL OUTPUTS	ANALOG INPUTS	ANALOG OUTPUTS	ANALOG INPUT RANGES	ANALOG OUTPUT RANGES	MANUAL OVERRIDES	COMMENTS
MODULES								
XFL821A			8		0 to 10 Vdc; 4 to 20 mA (via external 500 Ohm resistor); NTC 20K Ohm (-50° C to +150° C); PT1000 (-50° C to +150° C)		No	16 bit resolution, Configurable offset per input, Aux Voltage: 10Vdc, Imax=5mA
XFL822A				8		0-11Vdc +/-1mA, Floating Actuator, Binary output (0V/10V)	No	8 bit resolution, Safety position (remain at 0, 50, 100%), Red LED per output
XFL823A	12						No	Static binary input, 20Hz totalizer, LED per input, color mode can be set with CARE
XFL824A		6 (relay)					No	19-250Vac, Max total current of 12 Amps
XFLR822A				8		0-11Vdc +/-1mA, Floating Actuator, Binary output (0V/10V)	Yes	8 bit resolution, Safety position (remain at 0, 50, 100%), Red LED per output, 1 potentiometer per output, automatic feedback
XFLR824A		6 (relay)					Yes	19-250Vac, Max total current of 12 Amps

XFL821A

XFL822A

XFL823A

XFL824A

XFLR822A

XFLR824A

To download plug-ins, go to: plugin.ge51.honeywell.de/

NEW! DISTRIBUTED I/O MODULES ACCESSORIES

MODEL NUMBER	FOR USE WITH	DESCRIPTION	PICTURE
XS812	AI's BI's and AO's	Disconnector Module	
XS812RO	Relay Outputs	Disconnector Module	
XS814	XS821-22, XS823, XS824-25	2 rows of 7 terminals connected to each other for redistributing voltage (includes 10)	
XS815	XS824-25	Connects all terminals to save time and risk of wiring each terminal (includes 20)	
XS816	XCL8010A, XS821-22, XS823, XS824-25	Connects sockets and CPU to each other (includes 10)	
XS817	XS824-25	Connects 3 relays, e.g. 2 relay groups with different voltage (includes 40)	
XS821-22	XF821, XF822, XFL821, XFL822, XFLR822, XFR822	Terminal Socket for Analog Modules (includes socket, connector and swivel label)	
XS823	XF823, XFL823	Terminal Socket for Binary Inputs (includes socket, connector and swivel label)	
XS824-25	XF824, XFL824, XFR824, XFLR824	Terminal Socket for Relay Outputs (includes socket, connector, swivel label and cross connector)	

XFLR822

XFLR824

XFL821

XFL823

XFL824

XS821-822

XS823

XS824-825

To download plug-ins, go to: plugin.ge51.honeywell.de/

I/O MODULE COMPARISON CHART

COMPACT I/O	DIGITAL INPUTS	DIGITAL OUTPUTS	ANALOG INPUTS	ANALOG OUTPUTS
XIO-4DI	4			
XIO-4DO		4		
XIO-8AI			8	
XIO-4AO				4
XIO-10DI	10			
XIO-4PT1000			4	
XIO-4NTC			4	
XIO-10HUB	PROVIDES ADDITIONAL FREE CONTACTS			
SMART I/O	DIGITAL INPUTS	DIGITAL OUTPUTS	ANALOG INPUTS	ANALOG OUTPUTS
XFC3A06001	4	4	4	2
XFC3D06001	4	4	4	2

Learn More
For more information, contact your local Honeywell authorized distributor or visit customer.honeywell.com/buildings. To locate a distributor, visit customer.honeywell.com.

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