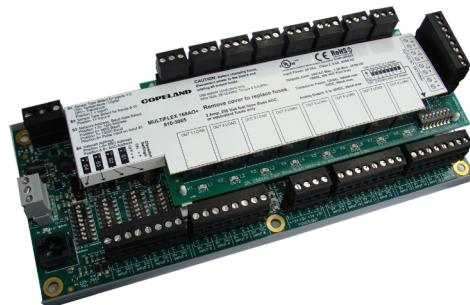


MultiFlex I/O Boards

The MultiFlex line of control system boards provide a wide variety of input, output, and smart control solutions, all of which are based on a single universal hardware platform. The board design uses flash-uploadable firmware and plugin expansion boards to configure the base platform board and apply it for use as an input board, relay output board, analog output board, or a combination I/O board.

The MultiFlex hardware is used as the base for a number of “smart boards” capable of controlling refrigeration and HVAC systems or subsystems independently from a central site controller.

The MultiFlex boards support the hand-held terminal interface, which allows technicians to view input values, check relay and analog output states, and override output points with fixed digital or analog values.



Technical Specifications

Com Port	RS485 proprietary protocol
Transducer or Sensor Power Supply	+5VDC, +12VDC 100mA for +12VDC terminal 50mA for +5VDC terminals combined
Input Power Source	24VAC Class 2
Center-Tapped	MultiFlex16: Center-tapped required (Same as 8RO, 4AO, and ESR8) Others: Optional (Can be powered from 24VAC or 24VAC center-tapped transformer)
Baud Rate	9600 or 19200
Power Wiring Types	14 AWG - Belden 9495 or equivalent 18 AWG - Belden 9493 or equivalent
Termination Jumpers	JP2, JP3, JP4
Operating Range	-40°F to 149°F (-40°C to 65°C) , 20 to 95% RH non-condensing

Models

Part Number	Model Name	Description
810-3013	MultiFlex 16	16 analog/digital inputs, no outputs
810-3063	MultiFlex 88AO	8 analog/digital inputs, 8 relay outputs, 4 analog outputs, no battery
810-3064	MultiFlex 88	8 analog/digital inputs, 8 relay outputs, no battery
810-3065	MultiFlex 168AO	16 analog/digital inputs, 8 relay outputs, 4 analog outputs, no battery
810-3066	MultiFlex 168	16 analog/digital inputs, 8 relay outputs, no battery
810-3067	MultiFlex 168DO	16 analog/digital inputs, 8 relay outputs, and 4 pulse-width modulating digital outputs, no battery
810-3073	MultiFlex 1616LAO	16 analog/digital inputs, 16 low-voltage (24VAC rated) relay outputs, and 4 analog outputs, no battery
810-3077	MultiFlex 1616LDO	16 analog/digital inputs, 16 low-voltage (24VAC rated) relay outputs, and 4 pulse-width modulating digital outputs, no battery
810-3072	MultiFlex 1616L	16 analog/digital inputs, 16 low-voltage (24VAC rated) relay outputs, no battery

For more information about the MultiFlex I/O Boards, click [here](#) to access the full user guide

Visit our website at copeland.com/en-us/products/controls-monitoring-systems for the latest technical documentation and updates.

For Technical Support call 833-409-7505 or email ColdChain.TechnicalServices@Copeland.com

026-4288 R0

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