

02

IO MODULES

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IO Modules

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iSMA CONTROLLI

All the MIX Series modules have been equipped with a MIX of the most commonly used types of I/O in building automation, and are factory-equipped with the two most popular open communication protocols: Modbus (ASCII, RTU, TCP/IP) and BACnet (MSTP, IP), which are selected using DIP switches.

There are two versions of the modules, namely: modules with interface RS485, and modules with interfaces 2x Ethernet and RS485. Devices with interfaces 2x Ethernet and RS485 have the added functionality of “Modbus Gateway TCP/IP to Modbus ASCII/RTU”, enabling you to connect additional modules/devices that communicate via Modbus RS485. The MIX38 is one of the most space saving solutions on the market, with 38x IO on board and measuring only 160x110x62 mm. The Universal Inputs support Temperature, Resistance, Voltage, and Current (or dry contact type of the input signal).

MIX SERIES I/O WITH RS485

Product Code	Product Information
iSMA-B-MIX18	I/O module with Modbus RTU/ASCII or BACnet MSTP communication. 1xRS485, 5xDI, 5xUI, 4xAO, 4xDO. Power supply 24 V AC/DC.
iSMA-B-MIX18-IP	I/O module with Modbus TCP/IP (with built in Modbus Gateway to RS485) or BACnetIP communication. 2xETH, 1xRS485, 5xDI, 5xUI, 4xAO, 4xDO. Power supply 24 V AC/DC.

MIX SERIES I/O WITH IP AND RS485

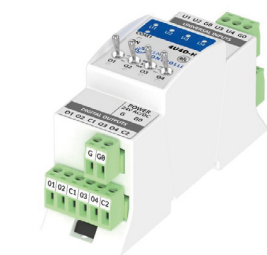
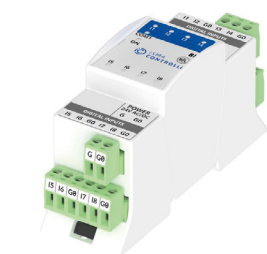
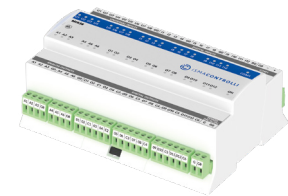
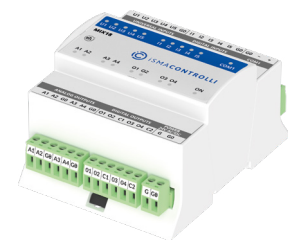
Product Code	Product Information
iSMA-B-MIX38	I/O module with Modbus RTU/ASCII or BACnet MSTP communication. 1xRS485, 12xDI, 8xUI, 6xAO, 12xDO. Power supply 24 V AC/DC.
iSMA-B-MIX38-IP	I/O module with Modbus TCP/IP (with built in Modbus Gateway to RS485) or BACnetIP communication. 2xETH, 1xRS485, 12xDI, 8xUI, 6xAO, 12xDO. Power supply 24 V AC/DC.

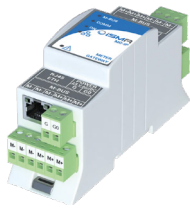
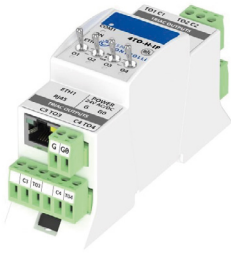
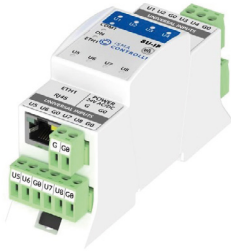
The MINI series has been designed to complement the I/O modules of the MIX series and contains 7 different types of modules. Like in case of the MIX modules, the modules are factory-equipped with the two most popular open communication protocols: Modbus (ASCII, RTU, TCP/IP) and BACnet (MSTP, IP), which are selected using DIP switches.

There are two versions of the modules, namely: modules with interface RS485, and modules with interfaces Ethernet and RS485. Devices with interfaces Ethernet and RS485 have the added functionality of “Modbus Gateway TCP/IP to Modbus ASCII/RTU”, enabling you to connect additional modules / devices which communicate via Modbus RS485. The MINI modules can have additional switches (DO) or potentiometers (AO) for overriding the outputs locally (Hand Control).

MINI SERIES I/O WITH RS485

Product Code	Product Information
iSMA-B-8I	I/O module with Modbus RTU/ASCII or BACnet MSTP communication. 1xRS485, 8xDI. Power supply 24 V AC/DC.
iSMA-B-8U	I/O module with Modbus RTU/ASCII or BACnet MSTP communication. 1xRS485, 8xUI. Power supply 24 V AC/DC.
iSMA-B-4I4O-H	I/O module with Modbus RTU/ASCII or BACnet MSTP communication. 1xRS485, 4xDI, 4xDO with hand operating. Power supply 24 V AC/DC.
iSMA-B-4U4O-H	I/O module with Modbus RTU/ASCII or BACnet MSTP communication. 1xRS485, 4xUI, 4xDO with hand operating. Power supply 24 V AC/DC.
iSMA-B-4U4A-H	I/O module with Modbus RTU/ASCII or BACnet MSTP communication. 1xRS485, 4xUI, 4xAO with hand operating. Power supply 24 V AC/DC.
iSMA-B-4O-H	I/O module with Modbus RTU/ASCII or BACnet MSTP communication. 1xRS485, 4xDO NC/NO max. 8 A @ 230 V AC/30 V DC relay with hand operating. Power supply 24 V AC/DC.
iSMA-B-4TO-H	I/O module with Modbus RTU/ASCII or BACnet MSTP communication. 1xRS485, 4xTO triac outputs max. 0,5 A @ 230 V AC /24 V AC with hand operating. Power supply 24 V AC/DC.





MINI SERIES I/O WITH IP AND RS485

Product Code	Product Information
iSMA-B-8I-IP	I/O module with Modbus TCP/IP (with built in Modbus Gateway to RS485) or BACnetIP communication. 1xETH, 1xRS485, 8xDI. Power supply 24 V AC/DC.
iSMA-B-8U-IP	I/O module with Modbus TCP/IP (with built in Modbus Gateway to RS485) or BACnetIP communication. 1xETH, 1xRS485, 8xUI. Power supply 24 V AC/DC.
iSMA-B-4I4O-H-IP	I/O module with Modbus TCP/IP (with built in Modbus Gateway to RS485) or BACnetIP communication. 1xETH, 1xRS485, 4xDI, 4xDO with hand operating. Power supply 24 V AC/DC.
iSMA-B-4U4O-H-IP	I/O module with Modbus TCP/IP (with built in Modbus Gateway to RS485) or BACnetIP communication. 1xETH, 1xRS485, 4xUI, 4xDO with hand operating. Power supply 24 V AC/DC.
iSMA-B-4U4A-H-IP	I/O module with Modbus TCP/IP (with built in Modbus Gateway to RS485) or BACnetIP communication. 1xETH, 1xRS485, 4xUI 4xAO with hand operating. Power supply 24 V AC/DC.
iSMA-B-4O-H-IP	I/O module with Modbus TCP/IP (with built in Modbus Gateway to RS485) or BACnetIP communication. 1xETH, 1xRS485, 4xDO NO/NC max. 8 A @ 230 V AC/30 V DC relay with hand operating. Power supply 24 V AC/DC.
iSMA-B-4TO-H-IP	I/O module with Modbus TCP/IP (with built in Modbus Gateway to RS485) or BACnetIP communication. 1xETH, 1xRS485, 4xTO triac outputs max. 0,5 A @ 230 V AC /24 V AC triac with hand operating. Power supply 24 V AC/DC.

WIRELESS I/O

Product Code	Product Information
iSMA-B-W0202	Wireless Bridge for Modbus RTU/ASCII. 1xRS485, 2xSI, 2xDO. Power supply 24 V AC/DC.
iSMA-B-WEXTA	iSMA-B-W0202 optional antenna - signal gain 5 dBi.
iSMA-B-WEXT2	An extension cable 2-meter length for wireless modules.
iSMA-B-WEXT5	An extension cable 5-meter length for wireless modules.

GATEWAYS

Product Code	Product Information
iSMA-B-MG-IP	Meter Gateway with built-in M-Bus gateway (power supply for up to 60 devices) and Modbus TCP/IP to Modbus RS485 gateway. 1x RS485, 1xETH, 1xM-Bus. Power supply 24 V AC/DC.

FC, FD SERIES AND ACCESSORIES

Product Code	Product Information
EasyIO-FC-20	The EasyIO FC-series is aimed at affordable canned solutions for stand alone applications, such as Roof Top Units, Fan Coils, AHUs, package units etc
EasyIO-FD-20i	The FD-20i provides input point expansion capacity for all FS and FW series controllers
EasyIO-FR-02	For floating control, add the optional FR-02 module, a relay module that can be din rail mounted. It allows 1 analog input from a controller to provide floating control via two built-in relays

AXIO ANNICOM

Annicom has been established as a design and build company for the Industrial Controls, HVAC, and Building Automation Industry for more than 25 years.

Alongside its own range of high quality products under the AXIO brand name it also designs and manufactures controls for many of the industry giants on an OEM basis. All components used in Annicom's production facility meet its stringent Quality Assurance guidelines, are RoHS & CE compliant where required, and are fully tested before leaving the factory.

DIGITAL INPUT MULTIPLEXER

Product Code	Product Information
HC-DIM4-MI	4 x digital input (VFC) multiplexer 0-10VDC output Din Rail module trend compatible output with built in offset (direct equivalent to trend) and other input versions.
HC-DIM6-MI	6 x digital input (VFC) multiplexer 0-10VDC output Din Rail module trend compatible output with built in offset (direct equivalent to trend) and other input versions.

SINGLE RELAY MODULE

Product Code	Product Information
HC-RM1F	Single relay Din Rail module with fixed switch point. 0-10VDC input 24VAC powered fixed switchpoint at 5VDC.

SINGLE RELAY MODULE C/W ADJUSTMENT

Product Code	Product Information
HC-RM1AB	adjustment and also buffered output. 0-10VDC input 24VAC powered.

RESISTANCE INPUT MODULES

Product Code	Product Information
HC-RIM135	Resistance input module 135 OHMS to 0-10VDC. Powered from a 24VAC/DC supply. LED indicators.
HC-RIM-1K	Resistance input module 1,000 (1K) to 0-10VDC. Powered from a 24VAC/DC supply. LED indicators.

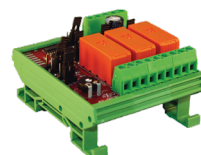
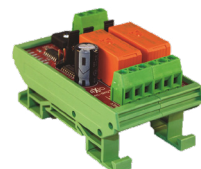
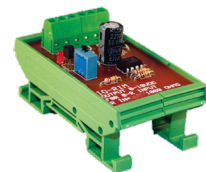
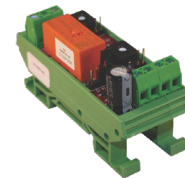
TWO RELAY MODULE

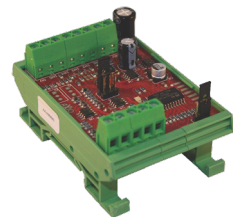
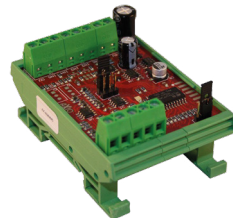
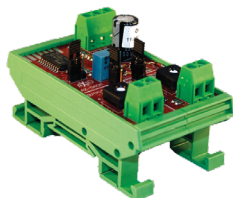
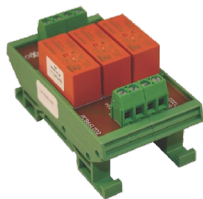
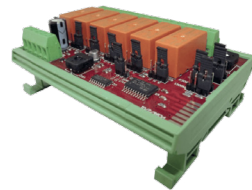
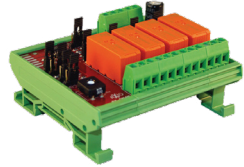
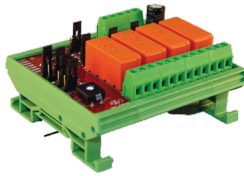
Product Code	Product Information
HC-RM2T	2 stage relay module with timer. Din Rail module raise/lower, high/low & binary 0-10VDC input. 24VAC/DC powered.

THREE RELAY MODULE

Product Code	Product Information
HC-RM3M	3 stage relay Din Rail module (0-10VDC input) adjustable time delay. 24VAC/DC powered.

AXIO





FOUR RELAY MODULE

Product Code	Product Information
HC-RM4M	4 stage relay Din Rail module (0-10VDC input). 24VAC/DC powered.

FOUR RELAY MODULE C/W ADJUSTMENT

Product Code	Product Information
HC-RM4AB	4 stage relay module with adjustable switchpoints. On and off switch points for each relay. (0-10VDC input) 24VAC/DC powered.

SIX RELAY MODULE

Product Code	Product Information
HC-RM6M	6 stage relay Din Rail module (0-10VDC input). 24VAC/DC powered.

FAN SPEED RELAY MODULE

Product Code	Product Description	Product Information
HC-FRM3-24	Fan Speed Controller	Fan speed relay module either in 24V or 230V versions. Designed for fan switching applications.
HC-FRM3-230	Fan Speed Controller	Fan speed relay module either in 24V or 230V versions. Designed for fan switching applications.

IP65 ENCLOSURE AVAILABLE ON REQUEST

DUAL ANALOGUE OUTPUT MODULE

Product Code	Product Information
HC-DAOM	Dual analogue output module, converts a 0-10VDC or 2-10VDC input signal to 2 x 0-10VDC or 2 x 2-10VDC output signals. 24VAC/DC powered.

AVERAGING MODULE

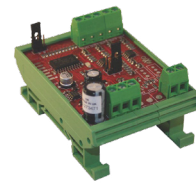
Product Code	Product Description	Product Information
HC-AMMM	4 Ch Min, Max And Averaging Module	Provides the average minimum, maximum and middle values of the selected 0-10V inputs, up to 5 inputs can be selected. 24VAC/DC powered.

ANALOGUE INPUT MULTIPLEXER

Product Code	Product Description	Product Information
HC-VMUX	4ch Analogue Input Multiplexer	Multiplexes four 0-10V analogue signals on to two analogue lines. this doubles the number of analogue inputs available. 24VAC/DC powered.

ANALOGUE DE-MULTIPLEXER

Product Code	Product Description	Product Information
HC-VDEMUX	4 Ch Analogue Demultiplexer	Demultiplexes one switched 0-10V analogue input to four analogue outputs. This requires two analogue lines one for the switched 0-10V and one for the output selection, this doubles the number of analogue outputs available. 24VAC/DC powered.



TRANSFORMERS

Product Code	Product Information
HC-TXD 6VA	HC-TXD range - 230V - 24VAC din rail transformers. Various VA ratings. Listed below transformers fitted with fuses on both the input and the output.
HC-TXD 25VA	HC-TXD range - 230V - 24VAC din rail transformers. Various VA ratings. Listed below transformers fitted with fuses on both the input and the output.
HC-TXD 30VA	HC-TXD range - 230V - 24VAC din rail transformers. Various VA ratings. Listed below transformers fitted with fuses on both the input and the output.
HC-TXD 60VA	HC-TXD range - 230V - 24VAC din rail transformers. Various VA ratings. Listed below transformers fitted with fuses on both the input and the output.

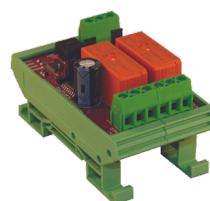


Product Code	Product Information
HC-SEM62.1	SEM62 range - 230V - 24VAC power supply din rail module. LED indication on secondary power supply. Integral self re-setting primary fuse, secondary power supply.
HC-SEM62.2	SEM62 range - 230V - 24VAC power supply din rail module. LED indication on secondary power supply. Integral self re-setting primary fuse, secondary power supply.



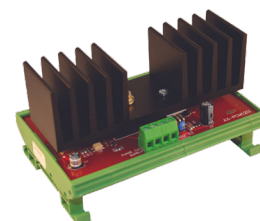
RAISE LOWER CONTROL MODULE

Product Code	Product Information
HC-ARL	Raise lower control module. Converts a 0-10V input signal into a raise lower relay output pair. 24VAC/DC powered.



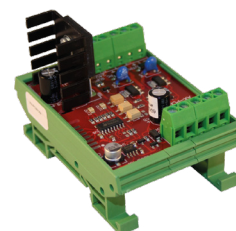
PHASE CUT MODULE

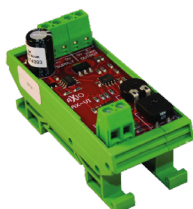
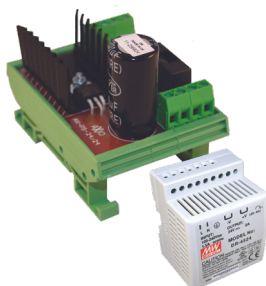
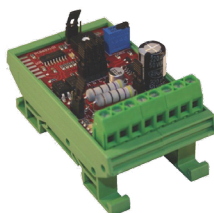
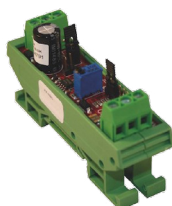
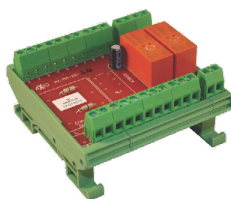
Product Code	Product Information
HC-PCM1-120I	120VA phase-cut output Din Rail module. To convert a 0-10V input signal to drive a 0-20V phase cut output.



PHASE CUT MODULE

Product Code	Product Information
HC-PCM2-30I	Dual 30VA phase-cut output Din Rail module. To convert 1 or 2 0-10VDC contact input signals to 1 or 2, 0-20V phasecut outputs.





ALARM INTEGRATOR

Product Code	Product Information
HC-MA10-24	Alarm integration modules 240V or 24VAC/DC available in both 10 channel and 20 channel versions. Units provide a relay output in the event of an alarm signal appearing on any one or more inputs.
HC-MA10-230	
HC-MA20-24	
HC-MA20-230	

ANALOGUE BUFFER & CONVERSION MODULE

Product Code	Product Information
HC-ABC	Analogue buffer conversion module, designed to convert and buffer an analogue input signal to a voltage output. 24VAC/DC powered.

RAISE/LOWER TO ANALOGUE MODULE

Product Code	Product Information
HC-RLA-AC	Isolated raise / lower to analogue convertor. Converts a raise-lower input signal into a 0-10V analogue output.

COMMISSIONING TOOL

Product Code	Product Information
HC-REF-V1	Provides 0-10VDC and 4-20MA outputs in a switch selectable range. The unit is powered by a 24V plug top PSU (included with the unit). The unit can be used to test actuators on bench top prior to installation.

TRANSFORMERS

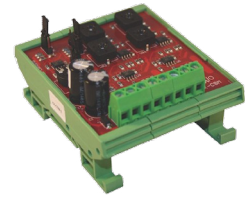
Product Code	Product Information
HC-PS-DR-45-24	24VDC 1AMP power supply Din Rail module. 230V input - 24V DC out. LED power on indicator.
HC-PS-24-24-1-C (COMMON 0V)	24VAC to 24VDC 1AMP convertor. A low cost power supply providing a regulated 24V DC output from a 24V input - Common 0V.
HC-PS-24-24-1-F	24VAC to 24VDC 1AMP convertor. A low cost power supply providing a regulated 24VDC output from a 24V input - Floating 0V.

CONVERSION MODULE

Product Code	Product Information
HC-VI	Is designed to convert a 0-10VDC input signal to a 4-20MA current output. Unit is powered by a 24VAC/DC and can power a current loop signal.

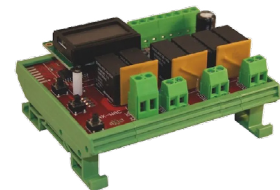
CURRENT SPLITTER MODULE

Product Code	Product Description	Product Information
HC-CSM-2	ANALOGUE TO 2 X 4-20MA	Current splitter module designed to split an analogue input to 2 x 4-20MA current outputs. Powered by 24VAC/DC and can power a current loop signal.
HC-CSM-3	ANALOGUE TO 3 X 4-20MA	
HC-CSM-4	ANALOGUE TO 4 X 4-20MA	



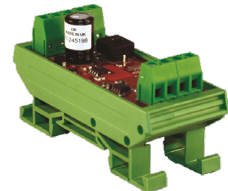
WINDOW ACTUATOR CONTROLLER

Product Code	Product Description	Product Information
HC-WAC	3 Channel window actuator controller with Lcd display	3 channel window controller providing timed forward/reverse outputs to open/close 2 wire DC window actuators.



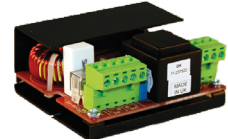
VOLTAGE RESCALING MODULE

Product Code	Product Information
HC-VSR	Voltage splitter and reference module takes 1 x 0-10VDC and splits and buffers the signal to give 3 x 0-10V outputs. The module also includes an adjustable reference output, factory set to 10V.



SINGLE PHASE FAN SPEED CONTROLLER

Product Code	Product Information
HC-FC-8	New compact single phase fan speed controller. 8AMP rated 230V powered for regulation of single phase AC motors.



KYLAND ETHERNET SWITCHES

Product Code	Number of Ports	Product Information
OPAL5-E-5T-LV-LV	5	<ul style="list-style-type: none"> • 5, 8 & 16 port RJ45 fast Ethernet switches • Unmanaged (plug & play) • Supply voltage 18-30VAC/12-48VDC • IP30 aluminium DIN rail mount housing • Dual LED power supply indication & full LED link/ACT indication • Operating temperature -10°C to +60°C
OPAL8-E-8T-LV-LV	8	
OPAL20-E-16T-LV-LV	16	



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RELAYS & BASES

Product Code	Voltage	No. of Poles	Product Information
RM1-0001-12DS-S*	12VDC	1	RM1 Series - Relay C/W Base
RM1-000T-24A	24V	1	RM1 Series - Relay C/W Base
RM1-000T-24D	24VDC	1	RM1 Series - Relay C/W Base
RM1-000T-230A	230V	1	RM1 Series - Relay C/W Base

Product Code	Voltage	No. of Poles	Product Information
RM2-0001-12DC	12VDC	2	RM2 Series - Relay C/W Base
RM2-000T-24A	24V	2	RM2 Series - Relay C/W Base
RM2-000T-24D	24VDC	2	RM2 Series - Relay C/W Base
RM2-000T-230A	230V	2	RM2 Series - Relay C/W Base

*SAME AS SRM HIGH IMPEDANCE VERSION

RM1 & RM2 SERIES - ACCESSORIES

Product Code	Product Information
M61G	GREEN LED, 6-24VAC/DC
M63G	GREEN LED, 110V-240VAC
ZG-GZ80	8 WAY CONNECTOR BAR

RM1 & RM2 SERIES - ACCESSORIES

LED mechanical indicator and lockable front test button as standard.

Product Code	Voltage	No. of Poles
R2N 12VDC	12VDC	2
R2N-24VAC	24V	2
R2N-24VDC	24VDC	2
R2N-230VAC	230V	2

Product Code	Voltage	No. of Poles
R3N-12VDC	12VDC	3
R3N-24VAC	24V	3
R3N-24VDC	24VDC	3
R3N-230VAC	230V	3

Product Code	Voltage	No. of Poles
R4N-12VDC	12VDC	4
R4N-24VAC	24V	4
R4N-24VDC	24VDC	4
R4N-230VAC	230V	4

GZT & GZM SERIES - BASES

Product Code	To Suit Relay Type	Terminal Connection
GZT2	R2N	Top & Bottom
GZT3	R3N	Top & Bottom
GZT4	R4N	Top & Bottom
GZM3	R3N	Top
GZM4	R4N	Top

R2N, R3N & R4N SERIES - ACCESSORIES

Product Code	Product Information
ZG-GZ4	6 Way Connector Bar

L.E.D. PANEL INDICATOR LAMPS AD22 / AD16

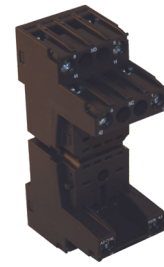
Product Code	Voltage (V)	Product Information
AD22-R (RED)	24 or 240	FEATURES <ul style="list-style-type: none"> • Expected life span 30,000hrs • Intensity 60cd/m2 • Rated current 20MA • Insulating resistance 2m • Voltage tolerance +/- 20% • Operating temperature - 25°C +55°C • Vibration frequency 2.8HZ acc 0.7g • IP rating IP65 • CE marked • LED type illumination
AD22-A (AMBER)	24 or 240	
AD22-G (GREEN)	24 or 240	
AD22-B (BLUE)	24 or 240	
AD22-W (WHITE)	24 or 240	
AD16-R (RED)	24 or 240	
AD16-A (AMBER)	24 or 240	
AD16-G (GREEN)	24 or 240	
AD16-B (BLUE)	24 or 240	
AD16-W (WHITE)	24 or 240	

LAMP TEST VERSION

Product Code	Voltage (V)	Product Information
AD22-R-LT (RED)	24 or 240	NOTE: Lamp Test Wiring T = Testing Terminal, S = Signal Terminal, C = Current Terminal (power in-put line)
AD22-A-LT A (MBER)	24 or 240	
AD22-G-LT (GREEN)	24 or 240	
AD22-B-LT (BLUE)	24 or 240	
AD22-W-LT (WHITE)	24 or 240	

AD22 FIXING TOOL

Product Code	Product Information
AD22 FIXING TOOL	A fixing tool to help with the mounting of the AD22 series panel lamps. The Tools engages with the locking collar to secure the AD22 panel lamps to a control panel. A must for any panel builders and service engineers.





2/3 POSITION SELECTOR SWITCHES AND PUSH BUTTONS

Can accept either a voltage or current input which can be rescaled to either voltage or current output and also can reverse an input signal.

Product Code	Product Information
PB22SS2B-1A	2 Pos Selector Switch C/W 1 N/O Contact
PB22SS4B-1AA	3 Pos Selector Switch C/W 2 N/O Contact
PB22BFB-1A	Black Pushbutton C/W 1x N/O Contact
PB22BFG-1A	Green Pushbutton C/W 1x N/O Contact
PB22BFR-1B	Red Pushbutton C/W 1x N/C Contact

Accessories

PB22-A	Normally Open Contact Block
PB22-B	Normally Closed Contact Block

EMERGENCY ISOLATOR - IP65 RATED

Plastic enclosed Isolators LB Series 4 Pole up to 80 AMPS.



Product Code	Size (AMPS)
LB204P	20
LB324P	32
LB404P	40
LB634P	63
LB804P	80

RAC18-IP

TP-C-DISP-B

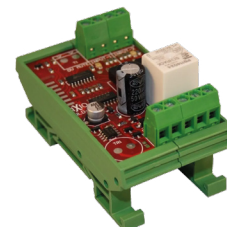
iSMACONTROLI

Comfort Management Solution

WATER LEAK DETECTION MODULES

The AX-WLD2 is a range of single and dual zone water detection modules designed for Din Rail mounting. The water leak module can have a total of 200m of cable connected to each input (cable and header). A relay output provides an alarm signal to a remote alarm annunciator or a BMS system. The sensitivity is adjustable to ensure false returns are not given. An optional alarm buzzer can be incorporated.

Product Code	Product Information	FEATURES
AX-WLD2-24	24vac/Dc Alarm One Or Two Zone Detection Module	<ul style="list-style-type: none"> • A total of 200m cable on each zone • Adjustable sensitivity on each zone • Can take inputs from a mixture of cable sensors, rain sensors or point sensors • Audible alarm option • LED indication of each channel alarm • Normally open and closed contacts • Relay output to BMS or Alarm annunciator.
AX-WLD2-230	230v Alarm One Or Two Zone Detection Module	
AX-WLD2-24-A	24vac/Dc Alarm One Or Two Zone Detection Module & Alarm Buzzer	
AX-WLD2-230-A	230v Alarm One Or Two Zone Detection Module & Alarm Buzzer	
AX-WCS-5	Cable Sensor For Wld, 5m Cable 3m Header	
AX-WCS-10	Cable Sensor For Wld, 10m Cable 3m Header	
AX-WCS-15	Cable Sensor For Wld, 15m Cable 3m Header	
AX-WCS-20	Cable Sensor For Wld, 20m Cable 3m Header	
AX-WCS-xx	Customer Specified Cable And Header Length	
AX-WPS	Point Sensor For Wld	
AX-WRS1	Rain Sensor With 1m Cable For Wld	
AX-WLD-DTA	Single Zone Drip Tray Version	
AX-WLD	Enclosure For Ax-Wld2	



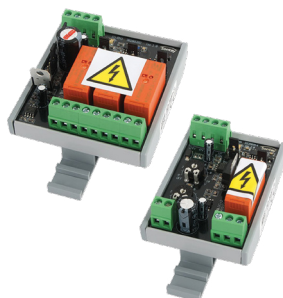
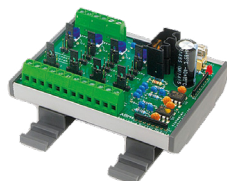
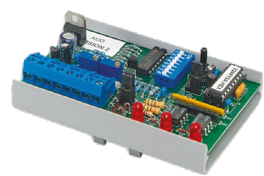
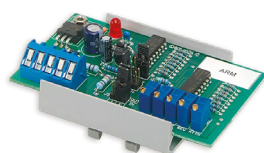
WATER LEAK DETECTION MODULE FOUR ZONE

The AX-WLDF Four zone water leak detection module with open or short circuit cable sensor detection. Must be used with "F" type sensors only (see below)

- LED indication of each alarm zone

Product Code	Product Information
AX-WLDF-24	Four Zone Module 24v
AX-WLDF-230	Four Zone Module 230v
AX-WLDF-C2	Cable Sensor For Wldf 2m Cable 1m Header
AX-WLDF-C5	Cable Sensor For Wldf 5m Cable 3m Header
AX-WLDF-C10	Cable Sensor For Wldf 10m Cable 3m Header
AX-WLDF-C15	Cable Sensor For Wldf 15m Cable 3m Header
AX-WLDF-C20	Cable Sensor For Wldf 20m Cable 3m Header
AX-WLDF-CXX	Cable Sensor For Wldf - Specify - Up To 200m
AX-WLDF-P2	Point Sensor Premium For Wldf & 2m Cable
AX-WLDF-P5	Point Sensor Premium For Wldf & 5m Cable





SONTAY IO MODULES

Sontay IO modules offer capability for rescaling, converting, isolating and overriding signals from BMS controllers.

ANALOGUE RESCALING MODULE

Can accept either a voltage or current input which can be rescaled to either voltage or current output and also can reverse an input signal.

Product Code	Product Information
IO-A-RM	Analogue Rescaling Module

RAISE/LOWER TO ANALOGUE MODULE

Accepts a Raise/Lower relay (pulsed relay contact inputs or pulsed DC or AC voltage inputs) signal and provides 0-10Vdc output

Product Code	Product Information
IO-A-UD	Raise/Lower to Analogue Module 45, 60, 120 or 240 seconds selectable.

ANALOGUE OVERRIDE MODULE

Intended for applications which require independent manual override of analogue output channels from a BMS controller, as a failsafe in event of controller failure.

Product Code	Product Information
IO-ABM4	4 Channel Override Module

DIGITAL INPUT MULTIPLEXERS

These Modules are to expand a BMS controllers input capacity by multiplexing four or six digital signals, or 24Vac/dc inputs into a single analogue controller unit.

Product Code	Product Information
IO-DIM-4	4 x VFC or 24V inputs to 1-10Vdc /4-20mA output
IO-DIM-6	6 x VFC or 24V inputs to 1-10Vdc /4-20mA output

RELAY MODULES

For use with BMS Controllers to convert an analogue control output to various switching relay modes.

Product Code	Product Information
IO-RM-2	2-stage Relay Module
IO-RM-3	3-stage Relay Module
IO-RM-4	4-stage Relay Module
IO-RM-8	8-stage Relay Module
IO-RM-A	The IO-RM-A adjustable relay module provides individually adjustable on and off switching points.

SINGLE RELAY MODULES

For use with BMS controllers for switching plant and isolation of input signals. Supplied complete with DIN-rail mounting base and retaining clip.

Product Code	Product Information
IO-RM1-12DC	Single Relay, 12Vdc Module
IO-RM1-24DC	Single Relay, 24Vdc Module
IO-RM1-24AC	Single Relay, 24Vac Module
IO-RM1-240AC	Single Relay, 240Vac Module

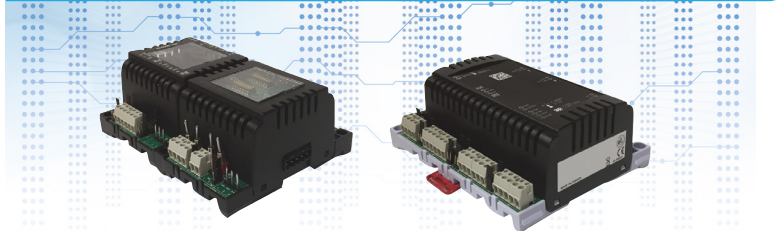
SONTAY SMART REMOTE IO MODULES

Sontays new range of mini Smart IO Modules offer extension to any BACnet or Modbus network when you require additional inputs & outputs. They allow easy integration of non-intelligent inputs and outputs to BACnet or Modbus network protocols.

Product Code	Product Information
SC-IO-100	Smart Communication IO Module 8U/I
SC-IO-102	Smart Communication IO Module 4 U/I, 2 U/O, & 2 B/O



SC-IO-100 · SC-IO-102



Provide simple expansion in any BMS application

Smart IO modules offer expansion with any BMS controller with BACnet or Modbus functionality

Options for your amount of inputs and outputs

Simple setup and Cost effective networkable device points via BACnet or Modbus

COMMUNICATION:

Selectable BACnet or Modbus communication

MAC address set via DIP switch or network

Copy & broadcast configuration to other SC-IO-10x modules (BACnet only)

FEATURES:

SC-IO-100:
8 Universal Inputs

SC-IO-102:
4 Universal Inputs -
2 Binary Outputs -
2 Analogue Outputs

Manual output override switches on SC-IO-102

DIN-rail mounting

LED status for power & inputs/outputs

Smart Remote IO Modules

Bringing flexibility and functionality to your projects.

The SC-IO-10x products offer an extension to your BACnet or Modbus network. When your application requires additional inputs and outputs on a physical controller, you can combine I/O of the SC-IO-10x with your system, to provide simple expansion of a new or existing controller. Allowing easy integration on non-intelligent inputs and outputs. On-board LEDs help track and diagnose any input and output activity during operation.

