

# Input/output modules

Model number  
**IO96Y03FA**  
**IO96W03FA (DIN)**



These I/O modules are designed to function as an AS-Interface slave device with termination points for connecting switches/sensors as well as output devices, such as solenoid valves and relays.

### Features

- Four (4) discrete inputs
- Four (4) power outputs
- LED input and output status displays
- AS-Interface power ok LED
- Direct mount or DIN rail mount available



Specifications	
AS-Interface profile	ID = F, I/O = 7 (4DI, 4DO)
Discrete inputs	(4) 3 mA @ 28 VDC; gold contact mechanical, low power reed, or proximity sensor
Discrete outputs	(4) 28 VDC (4 watts total power available)
Operating voltage	AS-Interface voltage
Current consumption	< 40 mA (with no outputs energized)
Indication	(4) input state LEDs (green) (4) output state LEDs (green) (1) AS-i power OK LED (green)
Dimensions (L, W, H)	100mm, 67mm, 63mm
Housing	Engineered resin
Operating temperature	-40° to +80°C (-40° to +176°F)

## AS-Interface profile and data locations

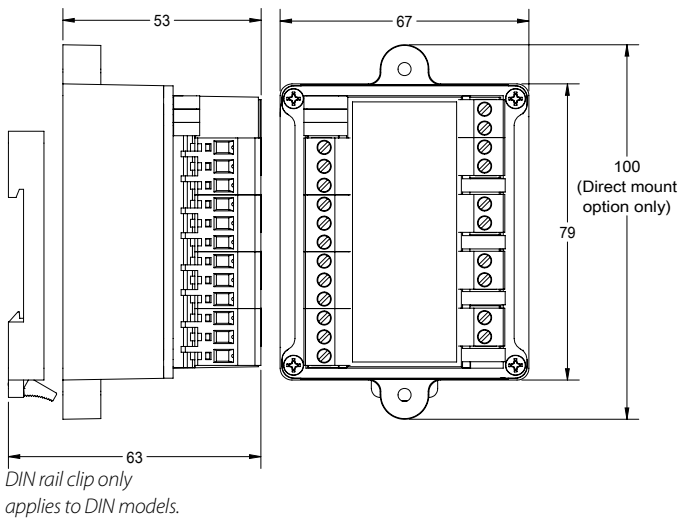
### Input data

- Input 0 = DIO
- Input 1 = DI1
- Input 2 = DI2
- Input 3 = DI3

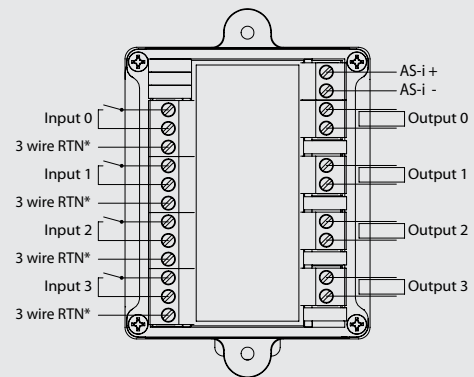
### Output data

- Output 0 = DO0
- Output 1 = DO1
- Output 2 = DO2
- Output 3 = DO3

## Dimensions (mm)



## Wiring diagram



\*Only for use with 3 wire PNP sensors

# Input/output modules

Model number  
**IO97Y02FA**  
**IO97W02FA (DIN)**



These I/O modules are designed to function as an AS-Interface slave device with termination points for connecting switches/sensors as well as output devices, such as solenoid valves and relays.

### Features

- Four (4) discrete inputs
- Three (3) power outputs
- LED input and output status displays
- AS-Interface power ok LED
- Direct mount or DIN rail mount available
- Extended addressing feature (A/B addresses) 62 per network



Specifications	
AS-Interface profile	ID = A, I/O = 7 (4DI, 3DO)
Discrete inputs	(4) 3 mA @ 28 VDC; gold contact mechanical, low power reed, or proximity sensor
Discrete outputs	(3) 28 VDC (4 watts total power available)
Operating voltage	AS-Interface voltage
Current consumption	< 40 mA (with no outputs energized)
Indication	(4) input state LEDs (green) (3) output state LEDs (green) (1) AS-i power ok LED (green)
Dimensions (L, W, H)	100mm, 67mm, 63mm
Housing	Engineered resin
Operating temperature	-40° to +80°C (-40° to +176°F)

## AS-Interface profile and data locations

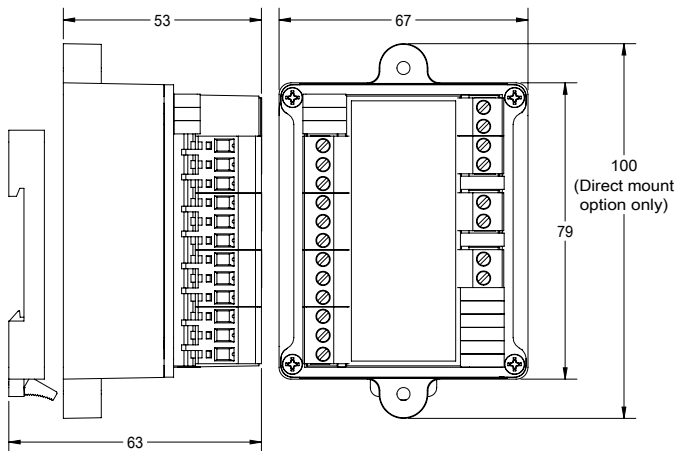
### Input data

- Input 0 = DIO
- Input 1 = DI1
- Input 2 = DI2
- Input 3 = DI3

### Output data

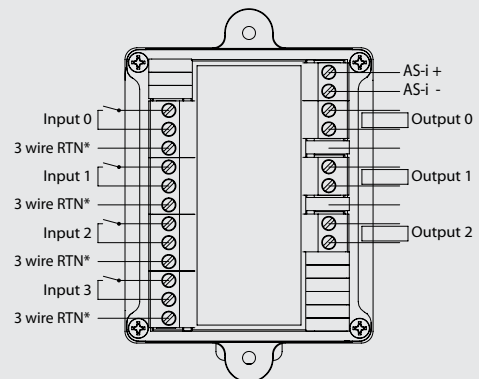
- Output 0 = DO0
- Output 1 = DO1
- Output 2 = DO2
- Output 3 = N/A

## Dimensions (mm)



DIN rail clip only applies to DIN models

## Wiring diagram



# Input/relay output modules

Model number

**IO96Y11FA**  
Interlocking

**IO96W11FA (DIN)**  
Interlocking

**IO96Y08FA**  
Independent

**IO96W08FA (DIN)**  
Independent



## Input/output module with externally-powered relay outputs

This I/O module is designed to function as an AS-Interface node with termination points for connecting switches/sensors, as well as relay outputs to operate devices like motors and other high power devices. Available with interlocked outputs to operate AC motors, or independent outputs to operate independent AC loads.

### Features

- Four (4) discrete inputs
- Two (2) relay outputs and two (2) discrete outputs
- LED input and output displays
- Direct mount or DIN rail mount available



Specifications	
AS-Interface profile	ID = F, I/O = 7 (4DI, 4DO)
Discrete inputs	(4) 3mA @ 28VDC gold contact mechanical, low power reed, or proximity sensor
Discrete outputs (relay)	independent (2) 120/250VAC fused @ 2A independent for other AC loads
	interlocking (2) 120/250VAC fused @ 2A interlocked for motor operation
Bus powered outputs	(2) 28VDC (4 watts total power available)
Operating voltage	AS-Interface voltage
Current consumption	<40mA (with no outputs energized)
Indication	(4) input state LEDs (green) (4) output state LEDs (green) (1) AS-i power OK LED (green)
External voltage (relay outputs)	Up to 250 VAC; 30 VDC
Dimensions (L, W, H)	100mm, 67mm, 63mm
Housing	Engineered resin
Operating temperature	-40° to +80°C (-40° to +176°F)

## AS-Interface profile and data locations

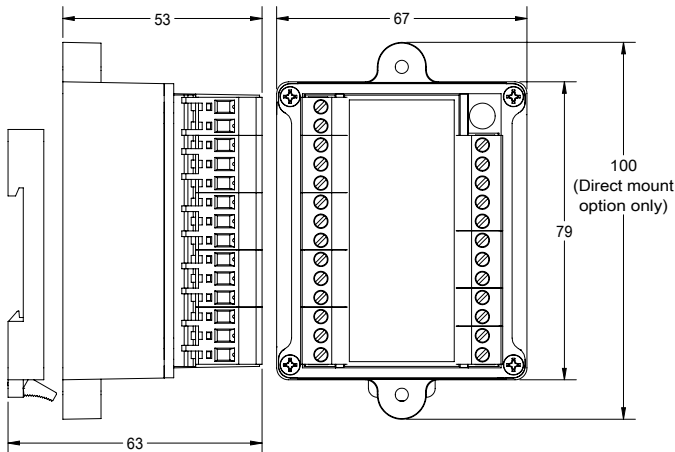
### Input data

- Input 0 = DIO
- Input 1 = DI1
- Input 2 = DI2
- Input 3 = DI3

### Output data

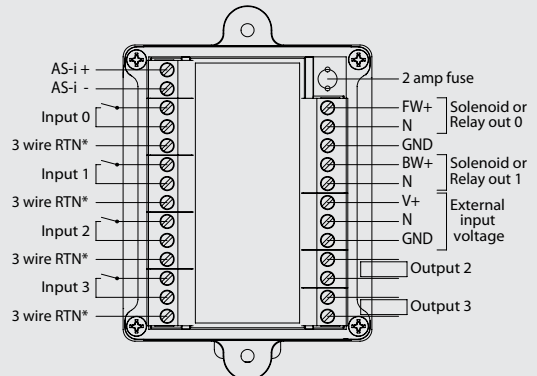
- Relay output 0 = DO0
- Relay output 1 = DO1
- Output 2 = DO2
- Output 3 = DO3

## Dimensions (mm)



DIN rail clip only applies to DIN models

## Wiring diagram



\*Only for use with 3 wire PNP sensors

# Input/relay output modules

**Model number**

**IO97Y12FA**  
Interlocking

**IO97W12FA (DIN)**  
Interlocking

**IO97Y07FA**  
Independent

**IO97W07FA (DIN)**  
Independent



## Input/output module with externally-powered relay outputs

This I/O module is designed to function as an AS-Interface node with termination points for connecting switches/sensors, as well as relay outputs to operate devices like motors and other high power devices. Available with interlocked outputs to operate AC motors, or independent outputs to operate independent AC loads.

**Features**

- Four (4) discrete inputs
- Two (2) relay outputs and one (1) discrete output
- LED input and output displays
- Direct mount or DIN rail mount available
- Extended addressing feature (A/B addresses) 62 per network



Specifications	
AS-Interface profile	ID = A, I/O = 7 (4DI, 3DO)
Discrete inputs	(4) 3mA @ 28VDC gold contact mechanical, low power reed, or proximity sensor
Discrete outputs (relay)	independent (2) 120/250VAC fused @ 2A independent for other AC loads
	interlocking (2) 120/250VAC fused @ 2A interlocked for motor operation
Bus powered outputs	(1) 28VDC (4 watts total power available)
Operating voltage	AS-Interface voltage
Current consumption	<40mA (with no outputs energized)
Indication	(4) input state LEDs (green)
	(3) output state LEDs (green)
	(1) AS-i power ok LED (green)
External voltage (relay outputs)	Up to 250 VAC; 30 VDC
Dimensions (L, W, H)	100mm, 67mm, 63mm
Housing	Engineered resin
Operating temperature	-40° to +80°C (-40° to +176°F)

## AS-Interface profile and data locations

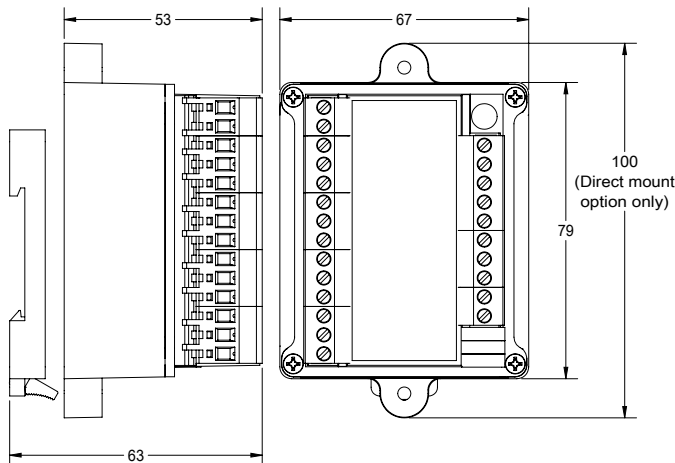
**Input data**

- Input 0 = DIO
- Input 1 = DI1
- Input 2 = DI2
- Input 3 = DI3

**Output data**

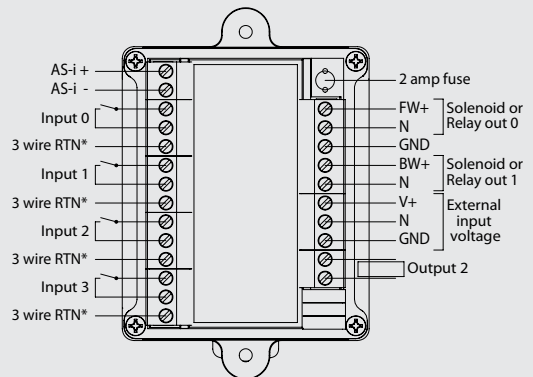
- Relay output 0 = DO0
- Relay output 1 = DO1
- Output 2 = DO2
- Output 3 = Not used

## Dimensions (mm)



DIN rail clip only applies to DIN models.

## Wiring diagram



\*Only for use with 3 wire PNP sensors

## Input/Output Modules

### StoneL Model 461050, 465011 (DIN)

The I/O Module is designed to function as an AS-Interface slave device with termination points for connecting switches/sensors as well as output devices, such as solenoid valves and relays.

#### Features

- Four (4) discrete inputs
- Four (4) power outputs
- LED input status displays (inputs 3&4)
- Direct mount or DIN rail mount available



Enclosure Option



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#### Specifications

Model Numbers	• 461050, 465011 (DIN)
AS-Interface Profile	• ID Code = F I/O Code = 7 (4DI,4DO)
Inputs	• (4) 3mA @ 28VDC; gold contact mechanical, low power reed, or proximity sensor
Outputs	• (4) 28VDC (4 Watts total power available)
Operating Voltage	• AS-Interface Voltage
Current Consumption	• <40mA (with no outputs energized)
Dimensions	• 75mm, 39mm, 41mm (L, W, H)
Indication	• Input 3 = Green LED Input 4 = Red LED
Operating Temp.	• -25° to +70°C (-13° to +158°F)
Stock Temp.	• -25° to +70°C (-13° to +158°F)
Weight	• 90g (0.2 pounds), with DIN

#### AS-Interface Profile and Data locations

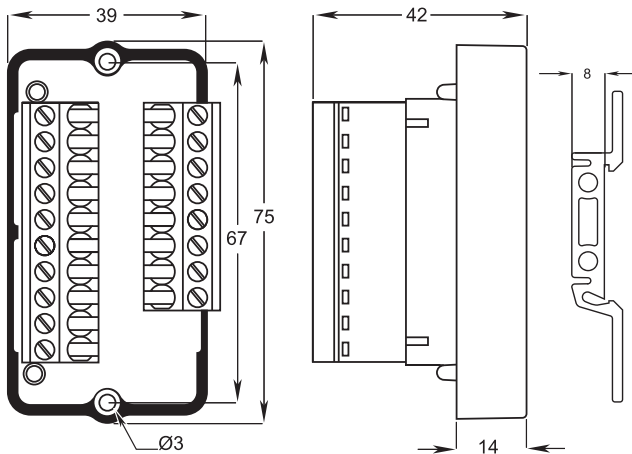
##### Input Data

- Input 1 = DI0
- Input 2 = DI1
- Input 3 = DI2
- Input 4 = DI3

##### Output Data

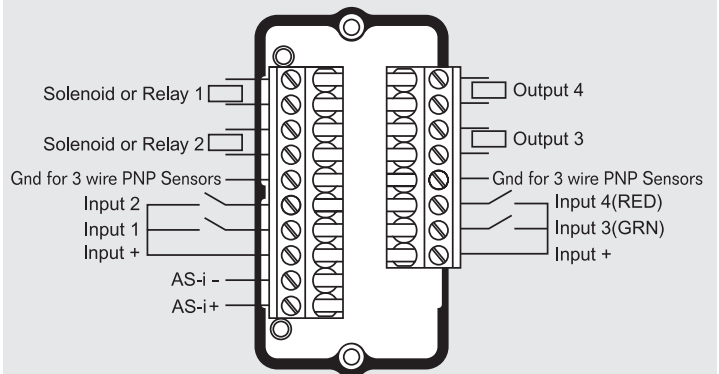
- Output 1 = DO2
- Output 2 = DO3
- Output 3 = DO0
- Output 4 = DO1

#### Dimensions (in mm)



Available with DIN Rail Clip.  
Specify model # 465011

#### Wiring Diagram



# Input/output modules

Model number  
**IM461124A**



## Analog input module (IP20)

The AS-Interface analog input module enables 4-20mA analog signals to be monitored via AS-Interface. Once described as a bus for discrete I/O only, AS-Interface has devised a method to send these signals via AS-Interface using the new device profile (7.3).

### Features

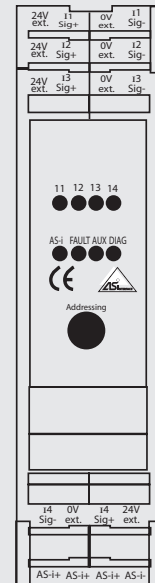
- Four (4) analog 4-20mA inputs
- 16-bit resolution
- Peripheral fault indication
- Easy commissioning via AS-Interface
- DIN rail mounting
- IP20



Specifications	
Device profile	ID=3, ID2=E, I/O = 7
Master requirement	AS-Interface 2.1 or later
Inputs	4 analog inputs (4-20mA)
Operating voltage	30 VDC AS-Interface voltage (AS-Interface power supply)
Operating current	<80mA
Voltage supply, sensors	Via AS-Interface or external 24VDC
Internal resistance	50 ohms
Max current per input	40mA
Resolution	16-bit (4000 - 20000)
Displays	AS-Interface voltage (AS-i), green LED AS-Interface communication error (fault), red LED Voltage supply 24VDC (AUX), green LED Diagnostics (DIAG), yellow LED Analog signal 1 (I1), yellow LED Analog signal 2 (I2), yellow LED Analog signal 3 (I3), yellow LED Analog signal 4 (I4), yellow LED
Operating temperature	0° to +70°C (+32° to +158°F)
Storage temperature	-25° to +85°C (-13° to +185°F)
Housing	Engineered resin, DIN rail mounting
Dimensions (L, W, H)	105mm, 23mm, 114mm
Ingress protection	IP20



## Schematic drawing



## Programming

### Parameter P0

- 0: 60hz filter in a/d converter
- 1: 50hz filter in a/d converter

### Parameter P1 & P2

Indicates which AI channels to enable

P1	P2	AI1	AI2	AI3	AI4
0	0	on	off	off	off
0	1	on	on	off	off
1	0	on	on	on	off
1	1	on	on	on	on

### Parameter P3

- 0: peripheral fault not enabled
- 1: peripheral fault enabled

## Input/output modules

Model number  
**IM461122A**



### Analog output module (IP20)

The AS-Interface analog output module enables 0-20mA analog signals to be sent via AS-Interface. Once described as a bus for discrete I/O only, AS-Interface has devised a method to send these signals via AS-Interface using the new device profile (7.3).

#### Kit Contents

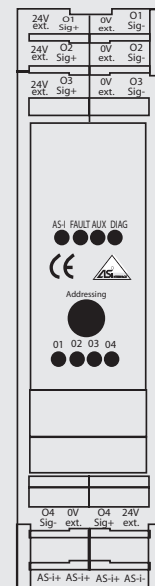
- Four (4) analog 0-20mA outputs
- 16-bit resolution
- Peripheral fault indication
- Easy commissioning via AS-Interface
- DIN rail mounting
- IP20 housing



Specifications	
Device profile	ID=3, ID2=6, I/O = 7
Master requirement	AS-Interface 2.1 or later
Outputs	4 analog outputs (0-20mA)
Operating voltage	30 VDC AS-Interface voltage (AS-Interface power supply)
Operating current	<80mA
Voltage supply, sensors	Via AS-Interface or external 24VDC
Resolution	16-bit (0 - 20000)
Displays	AS-Interface voltage (AS-i), green LED AS-Interface communication error (fault), red LED Voltage supply 24VDC (AUX), green LED Diagnostics (DIAG), yellow LED Analog signal 1 (O1), yellow LED Analog signal 2 (O2), yellow LED Analog signal 3 (O3), yellow LED Analog signal 4 (O4), yellow LED
Operating temperature	0° to +70°C (+32° to +158°F)
Storage temperature	-25° to +85°C (-13° to +185°F)
Housing	Engineered resin, DIN rail mounting
Dimensions (L, W, H)	105mm, 23mm, 114mm
Ingress protection	IP20



### Schematic drawing



### Programming

#### Parameter P0

- 0: profile 7.3 is not monitored
- 1: profile 7.3 is monitored

#### Parameter P1

Not used

#### Parameter P2

- 0: peripheral fault not enabled
- 1: peripheral fault enabled

#### Parameter P3

Not used

# Input/output modules

Model number  
**IM461096A**



## Analog input module (IP20)

The AS-Interface analog input module enables 4-20mA analog signals to be monitored via AS-Interface. Once described as a bus for discrete I/O only, AS-Interface has devised a method to send these signals via AS-Interface using device profile (7.3).

### Features

- Two (2) analog 4-20mA inputs
- 16-bit resolution
- Peripheral fault indication
- Easy commissioning via AS-Interface
- DIN rail mounting
- IP20



Specifications	
Device profile	ID=3, ID2=D, I/O = 7
Master requirement	AS-Interface 2.1 or later
Inputs	2 analog inputs (4-20mA)
Operating voltage	30 VDC AS-Interface voltage (AS-Interface power supply)
Operating current	<80mA
Voltage supply, sensors	Via AS-Interface or external 24VDC
Internal resistance	50 ohms
Max current per input	40mA
Resolution	16-bit (4000 - 20000)
AS-Interface cycle time	Cycle time = 150 microsec. x (AS-Interface slaves + 1)
Displays	Analog signal 1 (analog 1), green LED Analog signal 2 (analog 2), green LED Power on (AUX), green LED AS-Interface voltage (PWR), green LED AS-Interface communication error (fault), red LED
Operating temperature	0° to +70°C (+32° to +158°F)
Storage temperature	-25° to +85°C (-13° to +185°F)
Housing	Engineered resin, DIN rail mounting
Dimensions (L, W, H)	99mm, 23mm, 92mm
Ingress protection	IP20
Weight	118g (0.26 pounds)



## Programming

### Parameter P0

- 0: 60hz filter in a/d converter
- 1: 50hz filter in a/d converter

### Parameter P1

- 0: channel 2 not enabled
- 1: channel 2 enabled

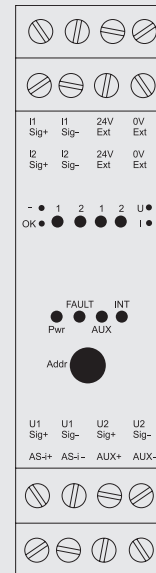
### Parameter P2

- 0: peripheral fault not enabled
- 1: peripheral fault enabled

### Parameter P3

Not used

## Schematic drawing



I1 sig +	(+) analog input ch 1
I1 sig -	(-) analog input ch1
24 v ext	(+) 24 vdc ext. power input
0 v ext	(-) 24 vdc ext. power input
I2 sig +	(+) analog input ch2
I2 sig -	(-) analog input ch 2
24 v ext	(+) 24 vdc ext. power input
0 v ext	(-) 24 vdc ext. power input
U1 sig +	
U1 sig -	
U2 sig +	
U2 sig -	
AS-i +	AS-i +
AS-i -	AS-i -
AUX +	
AUX -	



# Input/output modules

Model number  
**IM461098A**



## Analog output module (IP20)

The AS-Interface analog output module enables 0-20mA analog signals to be sent via AS-Interface. Once described as a bus for discrete I/O only, AS-Interface has devised a method to send these signals via AS-Interface using the new device profile (7.3).

### Features

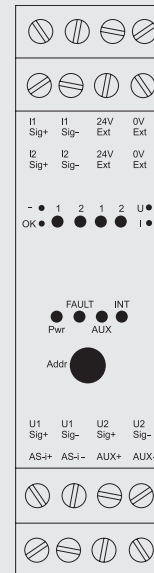
- Two (2) analog 0-20mA outputs
- 16-bit resolution
- Peripheral fault indication
- Easy commissioning via AS-Interface
- DIN rail mounting
- IP20 housing



Specifications	
Device profile	ID=3, ID2=5, I/O = 7
Master requirement	AS-Interface 2.1 or later
Outputs	2 analog outputs (0-20mA)
Operating voltage	30 VDC AS-Interface voltage (AS-Interface power supply)
Operating current	<80mA
Voltage supply, sensors	Via AS-Interface or external 24VDC
Resolution	16-bit (0 - 20000)
AS-Interface cycle time	Cycle time = 150 microsec. x (AS-Interface slaves +1)
Displays	Analog signal 1 (analog 1), green LED Analog signal 2 (analog 2), green LED Power on (AUX), green LED AS-Interface voltage (PWR), green LED AS-Interface communication error (fault), red LED
Operating temperature	0° to +70°C (+32° to +158°F)
Storage temperature	-25° to +85°C (-13° to +185°F)
Housing	Engineered resin, DIN rail mounting
Dimensions (L, W, H)	99mm, 23mm, 92mm
Ingress protection	IP20
Weight	118g (0.26 pounds)



## Schematic drawing



I1 sig +	(+) analog output ch 1
I1 sig -	(-) analog output ch1
24 v ext	(+) 24 vdc ext. power input
0 v ext	(-) 24 vdc ext. power input
I2 sig +	(+) analog output ch2
I2 sig -	(-) analog output ch 2
24 v ext	(+) 24 vdc ext. power input
0 v ext	(-) 24 vdc ext. power input
U1 sig +	
U1 sig -	
U2 sig +	
U2 sig -	
AS-i +	AS-i +
AS-i -	AS-i -
AUX +	
AUX -	

## Programming

### Parameter P0

Not used

### Parameter P1

Not used

### Parameter P2

0: peripheral fault not enabled

1: peripheral fault enabled

### Parameter P3

Not used

## Input/output modules

Model number

**IM461052A**

**IM465014A (DIN)**



### Input/bus powered output module

This I/O module is designed to function as a Foundation Fieldbus node with termination points for connecting switches/sensors as well as output devices such as solenoid valves and relays. Outputs can be configured to fail on or off.

#### Inputs and outputs

- Two (2) discrete inputs
- Two (2) discrete outputs

#### Features

- Pre-determined output fail state

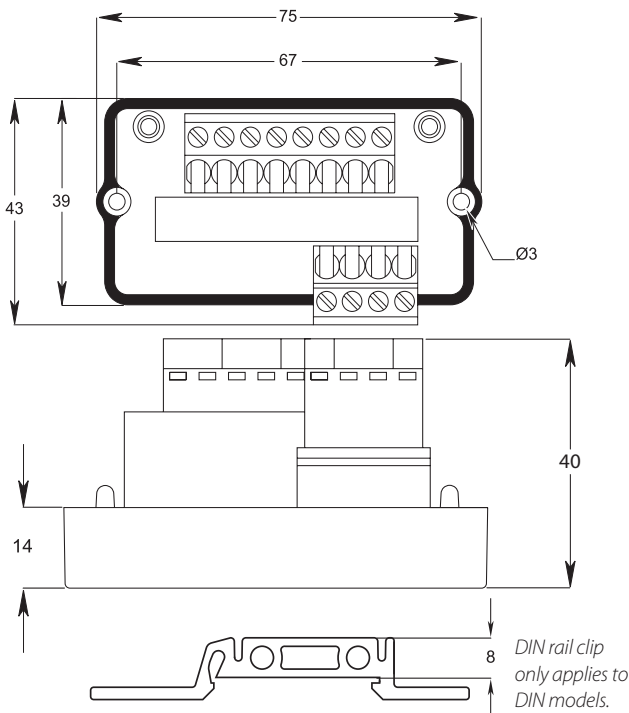


### Specifications

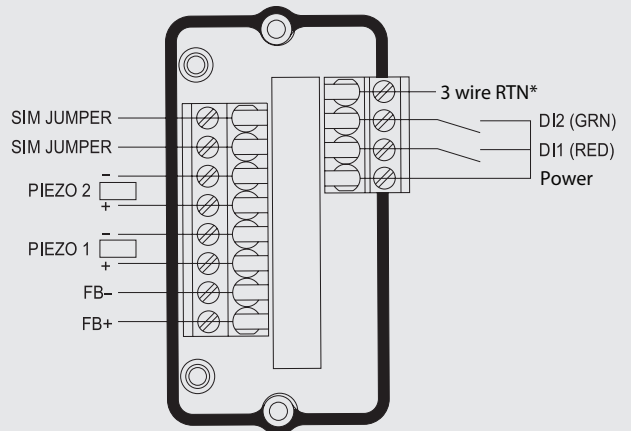
Discrete inputs	(2) 6.5 VDC < .045 mA, must be low power dry contact capable of operating at < .045 mA @ 6.5 VDC or solid state pnp capable of operating at 6.5 VDC and < 1 mA
Discrete outputs	(2) 6.5 VDC 2 mA. Suitable for StoneL piezo valve
Operating voltage	9 to 32 VDC via Foundation Fieldbus voltage
Current consumption	< 17 mA
Indication	(2) LEDs indicate discrete input status (red/green)
Data rate	31.25 Kb/s
Dimensions (L, W, H)	75mm, 43mm, 42mm
Housing	Engineered resin
Operating temperature	-40° to +80°C (-40° to +176°F)



### Dimensions (mm)



### Wiring diagram



\*Only for use with 3 wire PNP sensors

## Input/output modules

Model number

**IM461054A**

**IM465015A (DIN)**



### Input/externally powered output module

This I/O module is designed to function as a Foundation Fieldbus node with termination points for connecting switches/sensors, as well as output devices such as solenoid valves and relays. This module is also capable of reading one (1) analog input and controlling one (1) analog output via Foundation Fieldbus. This device requires external 24VDC power supply.

#### Inputs and outputs

- Two (2) discrete inputs
- Two (2) discrete outputs
- One (1) analog input (4-20mA)
- One (1) analog output (4-20mA)

#### Features

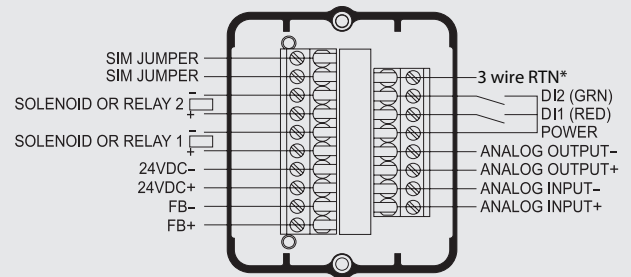
- Pre-determined output fail state



### Specifications

Discrete inputs	(2) 6.5 VDC < .045 mA, must be low power dry contact capable of operating at < .045 mA @ 6.5 VDC or solid state pnp capable of operating at 6.5 VDC and < 1 mA
Discrete outputs	(2) 24 VDC (4 watts total power)
Analog input	(1) analog (4-20 mA) input 10-bit resolution (0.1%)
Analog output	(1) analog (4-20 mA) output 10-bit resolution (0.1%)
Operating voltage	9 to 32 VDC via Foundation Fieldbus voltage
Current consumption	< 17 mA from Foundation Fieldbus
Indication	(2) LEDs indicate discrete input status (red/green)
External voltage	24 VDC via external power
Data rate	31.25 Kb/s
Dimensions (L, W, H)	75mm, 62mm, 51 mm
Housing	Engineered resin
Operating temperature	-40° to +80°C (-40° to +176°F)

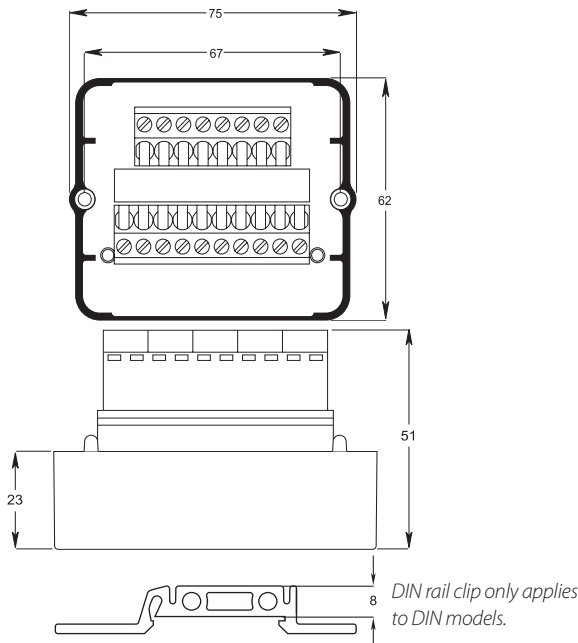
### Wiring diagram



*\*Only for use with 3 wire PNP sensors*



### Dimensions (mm)



# Input/relay output modules

**Model number**

**IM461087A**  
Interlocking

**IM465022A (DIN)**  
Interlocking

**IM461088A**  
Independent

**IM465023A (DIN)**  
Independent



This I/O module is designed to function as a Foundation Fieldbus node with termination points for connecting switches/sensors, as well as relay outputs to operate devices like motors and other high power devices. Outputs can be interlocked to operate AC motors or independent to operate independent AC loads. Outputs can be configured to fail on or off.

**Inputs and outputs**

- Two (2) discrete inputs
- Two (2) discrete (relay) outputs
- One (1) analog input (4-20mA)
- One (1) analog output (4-20mA)

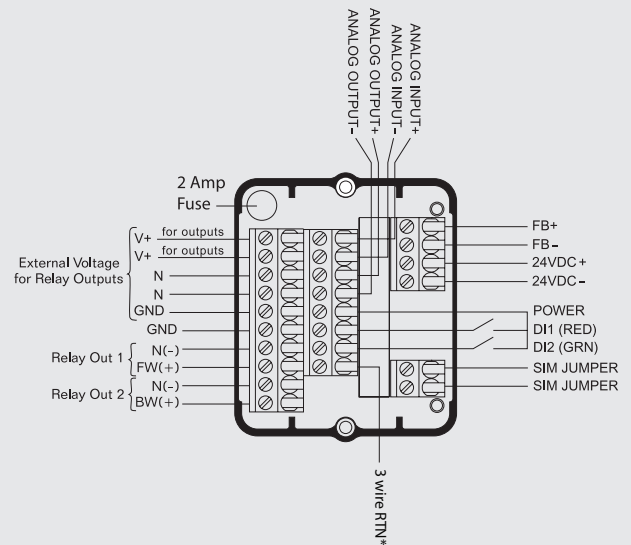
**Features**

- Pre-determined output fail state



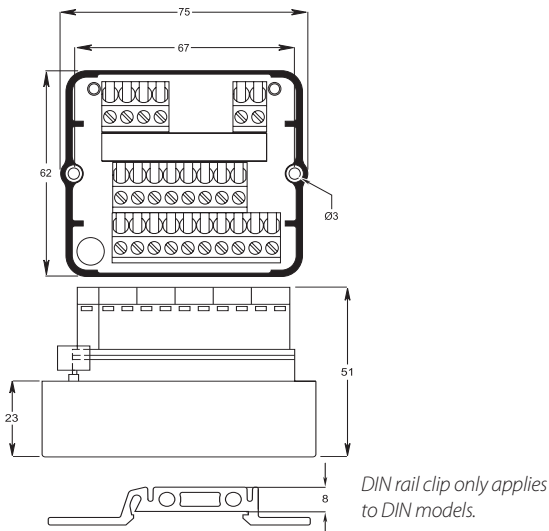
Specifications	
Discrete inputs	(2) 6.5 VDC < .045 mA, must be low power dry contact capable of operating at < .045 mA @ 6.5 VDC or solid state pnp capable of operating at 6.5 VDC and < 1 mA
Discrete outputs (relay)	independent (2) 120/250 VAC @ 2A independent for other AC loads
	interlocking (2) 120/250 VAC @ 2A interlocked for motor operation
Analog input	(1) analog (4-20 mA) input 10-bit resolution (0.1%)
Analog output	(1) analog (4-20 mA) output 10-bit resolution (0.1%)
Operating voltage	9 to 32 VDC via Foundation Fieldbus voltage
Current consumption	< 17 mA
Indication	(2) LEDs indicate discrete input status (red/green)
External voltage (analog I/O)	24 VDC via external power
External voltage (relay outputs)	Up to 250 VAC; 30 VDC
Dimensions (L, W, H)	75mm, 62mm, 51mm
Housing	Engineered resin
Operating temperature	-40° to +80°C (-40° to +176°F)

Wiring diagram



*\*Only for use with 3 wire PNP sensors*

Dimensions (mm)



## Input/output modules

Model number

**IM461134A**

**IM465027A (DIN)**



### Input/externally powered (24VDC) output module

This I/O module is designed to function as a Foundation Fieldbus node with termination points for connecting switches/sensors as well as output devices such as solenoid valves and relays. Outputs can be configured to fail on or off.

#### Inputs and outputs

- Two (2) discrete inputs (LED indication)
- Two (2) discrete 24VDC outputs (externally powered)

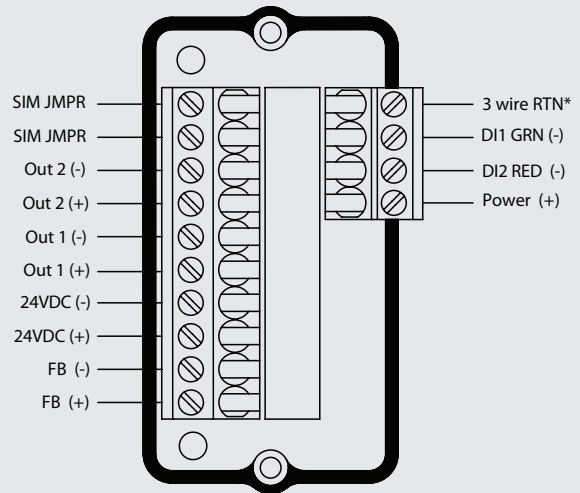
#### Features

- Pre-determined output fail state
- Date of last service



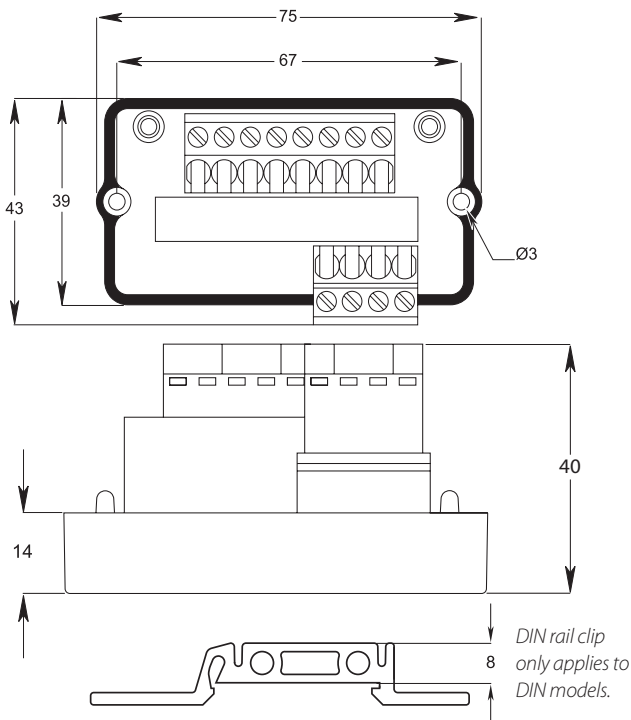
Specifications	
Discrete inputs	(2) 6.5 VDC < .045 mA, must be low power dry contact capable of operating at < .045 mA @ 6.5 VDC or solid state pnp capable of operating at 6.5 VDC and < 1 mA
Discrete outputs	(2) 24 VDC (4 watts total power)
Operating voltage	9 to 32 VDC via Foundation Fieldbus voltage
Current consumption	< 17 mA from Foundation Fieldbus
Indication	(2) LEDs indicate discrete input status (red/green)
External voltage	24 VDC via external power
Data rate	31.25 Kb/s
Dimensions (L, W, H)	75mm, 43mm, 40mm
Housing	Engineered resin
Operating temperature	-40° to +80°C (-40° to +176°F)

### Wiring diagram



*\*Only for use with 3 wire PNP sensors*

### Dimensions (mm)



## Input/output modules

**Model number**  
**IM461007A**  
**IM465012A (DIN)**

*DeviceNet™*

This I/O module is designed to function as a DeviceNet node (group 2 slave) with termination points for connecting switches/sensors as well as output devices such as solenoid valves and relays. Outputs can be configured to fail on or off.

**Inputs and outputs**

- Two (2) discrete inputs
- Two (2) discrete outputs
- One (1) analog (4 to 20 mA) input

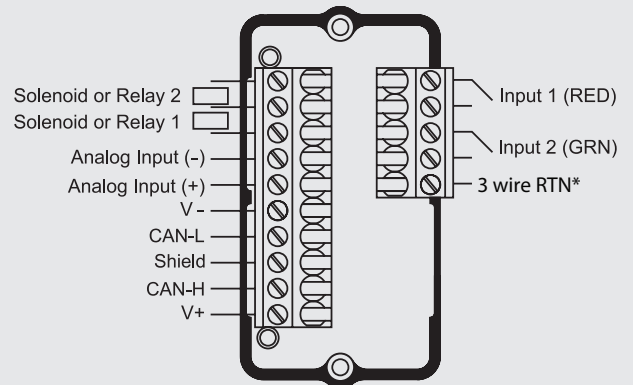
**Other data**

- Cycle count
- Date of last service
- Pre-determined output fail state



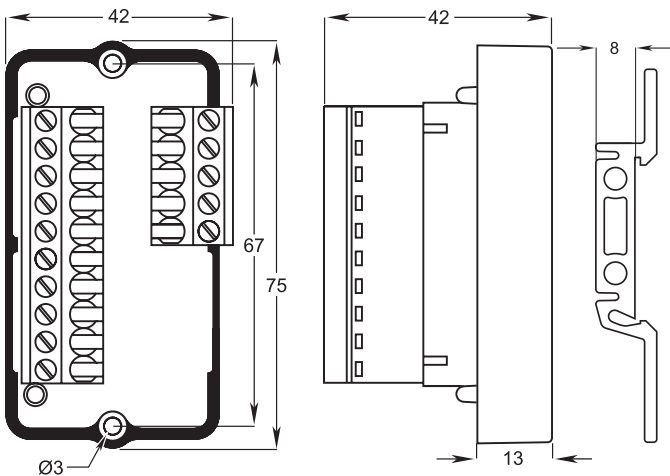
Specifications	
Discrete inputs	(2) 7 mA @ 24 VDC gold contact mechanical, low power reed, or proximity sensor
Discrete outputs	(2) 24 VDC (4 watts total power available)
Analog input	(1) Analog (4-20 mA) input 10-bit resolution (0.1%)
Operating voltage	24 VDC via DeviceNet voltage
Current consumption	< 60 mA (with no outputs energized)
Indication	(2) LEDs indicate discrete input status (red/green)
Data rate	125, 250, 500 Kb/s
Dimensions (L, W, H)	75mm, 42mm, 42mm
Housing	Engineered resin
Operating temperature	-40° to +80°C (-40° to +176°F)

### Wiring diagram



*\*Only for use with 3 wire PNP sensors*

### Dimensions (mm)



*DIN rail clip only applies to DIN models.*

### DeviceNet features

Device type	Generic
Explicit peer-to-peer messaging	N
I/O peer-to-peer messaging	N
Configuration consistency value	N
Faulted node recovery	N
Baud rates	125K, 250K, 500K
Master/scanner	N

### I/O slave messaging

Device type	Generic
Bit strobe	N
Polling	Y
Cyclic	Y
Change of state	Y

# Input/relay output modules

**Model number**

**IM461083A**

*Interlocking*

**IM465018A (DIN)**

*Interlocking*

**IM461084A**

*Independent*

**IM465019A (DIN)**

*Independent*



This I/O module is designed to function as a DeviceNet node with termination points for connecting switches/sensors, as well as relay outputs, to operate devices like motors and other high power devices. Outputs can be interlocked to operate AC motors or independent to operate independent AC loads. Outputs can be configured to fail on or off.

**Inputs and outputs**

- Two (2) discrete inputs
- Two (2) discrete (relay) outputs
- One (1) analog input state

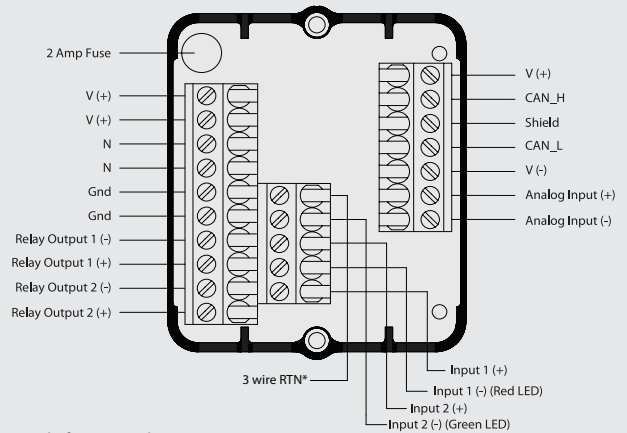
**Other data**

- Cycle count
- Date of last service
- Pre-determined output fail state



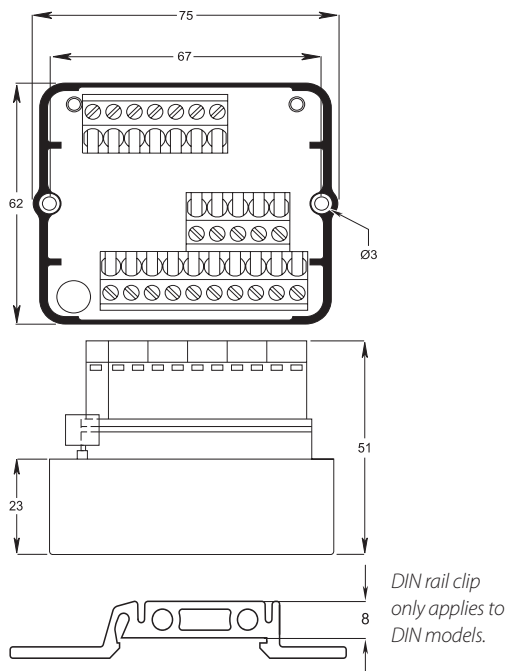
Specifications	
Discrete inputs	(2) 7 mA @ 24 VDC gold contact mechanical, low power reed, or proximity sensor
Discrete outputs (relay)	independent (2) 120/250 VAC @ 2A independent for other AC loads
	interlocking (2) 120/250 VAC @ 2A interlocked for motor operation
Analog input	(1) analog (4-20 mA) input 10-bit resolution (0.1%)
Operating voltage	24 VDC via DeviceNet voltage
Current consumption	< 60 mA (with no outputs energized)
Indication	(2) LEDs indicate discrete input status (red/green)
External voltage (relay outputs)	Up to 250 VAC; 30 VDC
Dimensions (L, W, H)	75mm, 62mm, 51mm
Housing	Engineered resin
Operating temperature	-40° to +80°C (-40° to +176°F)

**Wiring diagram**



*\*Only for use with 3 wire PNP sensors*

**Dimensions (mm)**



**DeviceNet features**

Device type	Generic
Explicit peer-to-peer messaging	N
I/O peer-to-peer messaging	N
Configuration consistency value	N
Faulted node recovery	N
Baud rates	125K, 250K, 500K
Master/scanner	N

**I/O slave messaging**

Device type	Generic
Bit strobe	N
Polling	Y
Cyclic	Y
Change of state	Y