AS-i GEN I/O & AS-i Ex-OP Modules

ATRAX
Weighing and Dimensioning Specialists

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Description

The Atrax **AS-i Interface Modules** are AS-i I/O modules with four inputs and up to four outputs. There are two versions of the AS-i modules; the AS-i GEN I/O Module and the AS-i Ex OP Module. The difference between the two versions is the connection technology. The AS-i GEN I/O Module is equipped with screw terminals whereas the AS-i Ex OP Module is installed with pluggable connections for actuators and sensors.
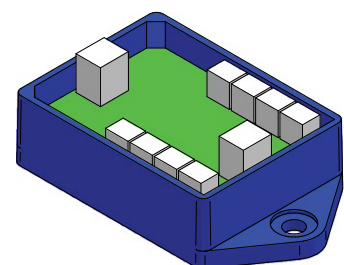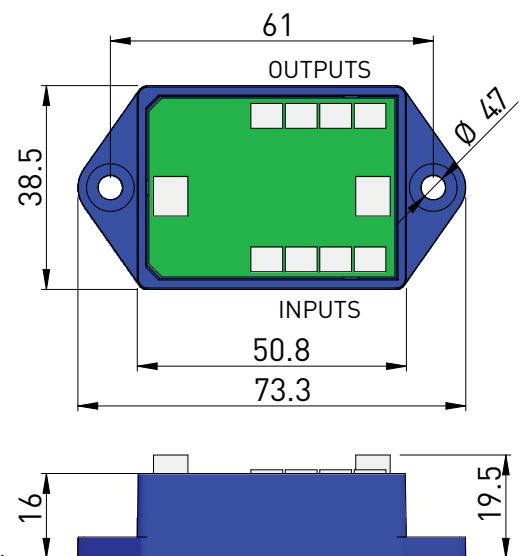
Features

→ Slave module with extended addressing for up to 62 slaves.

→ Communication monitoring.

→ LEDs to indicate the current switching state of inputs, outputs, auxiliary supply, AS-i supply and any AS-i fault.

→ Easy installation.

→ AS-i version 2.11 and 3.0 with extended addressing mode.

→ Extremely compact design and convenient mounting enables miniaturisation.

Electrical Connections

→ I1 switching input sensor 1

→ I2 switching input sensor 2

→ I3 switching input sensor 3

→ I4 switching input sensor 4

→ O1 switching output actuator 1

→ O2 switching output actuator 2

→ O3 switching output actuator 3

→ O4 switching output actuator 4 (with 4in/4out profile)

→ sensor and actuator supply 0 V

→ I+ sensor and actuator supply 24 V

→ AS-i –

→ AS-i +

Dimensions (mm)

Technical Data

AS-INTERFACE

AS-i version	Version 3.0
AS-i Profile (4 in/3 out)	S-7.A.E (max 10 ms I/O scan time with 62 nodes)
AS-i Profile (4 in/4 out)	S-7.A.7 (max 20 ms I/O scan time with 62 nodes)

INPUTS

Number of Inputs	4	
Input Type	PNP	
Switching Level Voltage	High >10 V, low <7 V, input resistance 10 kΩ	
Input Connection Type	**AS-i GEN I/O** Screw Terminals Max wire cross section 2.5 mm^2 (12 AWG)	**AS-i Ex OP** JST PHR-2, 2.00 mm pitch. Max wire cross section 0.2 mm^2 (24 AWG)
Input Supply Voltage	+24 V Nominal	

LED INDICATION

Status Display LEDs	**ASI-OK (Green)**	ON = AS-i bus connected
	FAULT (Red)	OFF = AS-i communications OK Steady = No AS-i communications Flashing = AS-i peripheral fault
	SUPPLY (Orange)	Output supply OK (nominal 24 VDC)
Input (Green)	Input ON state	
Output (Orange)	Output ON state	

OPERATING CONDITIONS

Ambient Temperature (ºC)	-10º to 40º
Climatic Conditions	IP40 (for indoor use only)

ELECTRICAL SPECIFICATIONS

Operating Voltage	26 to 32 V as per AS-i specification
Current Consumption	All outputs off <20 mA.
Max. Input Current	120 mA
Short Circuit Protected	Yes (self-resetting fuse)

OUTPUTS

Number of Outputs	3 (S-7.A.E profile) or 4 (S-7.A.7 profile)	
Output Type	Electrically isolated (powered from AS-i supply)	
Output Connection Type	**AS-i GEN I/O** Screw Terminals Max wire cross section 2.5 mm^2 (12 AWG)	**AS-i Ex OP** JST PHR-2, 2.00 mm pitch. Max wire cross section 0.2 mm^2 (24 AWG)
Max. current load per output	50 mA	
Max. current load per module	100 mA	

DATA BITS

D0	IN1	OUT1
D1	IN2	OUT2
D2	IN3	OUT3
D3	IN4	OUT4 (4-in / 4-out only)

DIMENSIONS

Length	73.3 mm
Width	38.5 mm
Height	19.5 mm
Mounting hole diameter/spacing	4 mm/62 mm

Contact us

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