

Input/Output Modules

StoneL Model 461124

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

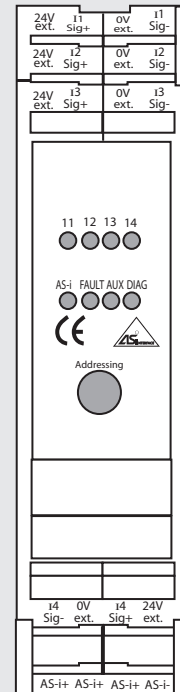
Device Profile	• ID=3, ID2=E, I/O = 7
Master Requirement	• AS-Interface Version 2.1 Master Required
Inputs	• 4 Analog inputs (4-20mA)
Operating Voltage	• 30 VDC AS-Interface Voltage (AS-Interface power supply)
Operating Current	• <80mA
Voltage Supply, Sensors	• Via AS-Interface or External 24VDC
Internal Resistance	• 50 Ohms
Max Current Per Input	• 40mA
Resolution	• 16bit (4000 - 20000)
Displays	<ul style="list-style-type: none"> • 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 Temp.	• 0° to +70°C (+32° to +158°F)
Storage Temp.	• -25° to +85°C (-13° to +185°F)
Housing	• Engineered Resin, DIN rail mounting
Housing Dimensions	• 105mm, 23mm, 114mm (L, W, H)
Ingress Protection	• IP20



Enclosure Option



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