

## Input/Output Modules

### StoneL Model 461096

#### 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

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

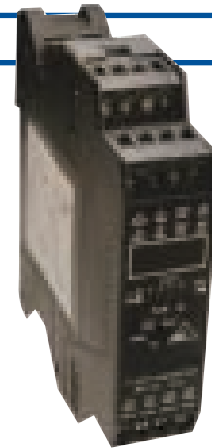


#### Specifications

Device Profile	• ID=3, ID2=D, I/O = 7
Master Requirement	• AS-Interface Version 2.1 Master Required
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	• 16bit (4000 - 20000)
AS-Interface Cycle Time	• Cycle Time = 150 microsec. x (AS-Interface Slaves + 1)
Displays	<ul style="list-style-type: none"> <li>• Analog Signal 1 (Analog 1), green LED</li> <li>• Analog Signal 2 (Analog 2), green LED</li> <li>• Power on (AUX), green LED</li> <li>• AS-Interface Voltage (PWR), green LED</li> <li>• AS-Interface Communication Error (Fault), red LED</li> </ul>
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	• 99mm, 23mm, 92mm (L, W, H)
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

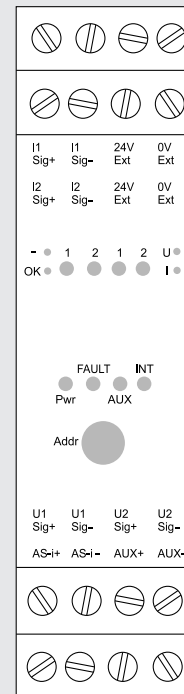


Enclosure Option



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#### Schematic Drawing



I1Sig +	(+) 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 -	