

Masters and Gateways

StoneL Model 458108, 458114

Dual Channel AS-Interface to PROFIBUS-DP with Graphical Display and Single Power Supply Feature

The AS-Interface/PROFIBUS gateway interfaces two (2) AS-Interface networks to PROFIBUS-DP. The gateway acts as a master for two (2) AS-Interface networks and as a single slave for PROFIBUS. AS-Interface functions can be called up via PROFIBUS. Commissioning can be easily accomplished with the use of a handheld addressing unit or with the push-buttons on the gateway.

Features

- AS-Interface peripheral fault diagnostics
- Duplicate address detection
- Version 3.0 master-compatible with all 2.0-3.0 slaves and 7.3 profile analog modules
- Serial Diagnostics Port: see 462008 for software and cable
- ETL Approved for Class I Division 2 (458114)
- Single power supply for 2 networks



Specifications

AS-Interface Master Version	• 3.0
Interface	• PROFIBUS-DP
Operating Current	• 250mA
Operating Voltage	• 30 VDC requires (1) 30 VDC power supply, see 459040, 459042, 459044 and 459046
Baud Rate	• 9.6k - 12000k Baud (automatic recognition)
AS-Interface Cycle Time	• Cycle Time = 150 microsec. x (AS-Interface Slaves +2)
Displays	<ul style="list-style-type: none"> • LCD Display • Display Network1/Network2, green LED • Serial communication active, green LED • Configuration error, red LED • AS-Interface voltage normal, green LED • AS-Interface normal operation, green LED • Automatic address program enabled, green LED • Master in configuration mode, yellow LED
Operating Temp.	• 0° to +55°C (+32° to +131°F)
Storage Temp.	• -25° to +85°C (-13° to +185°F)
Housing	• Stainless steel, DIN rail mounting
Dimensions (L, W, H)	• 120mm, 75mm, 83mm (L, W, H)
Ingress Protection	• IP20, field enclosure required
Weight	• 460g (1.0 pounds)
Approvals (458114)	• ETL approved Class I Division 2, Groups A,B,C,D

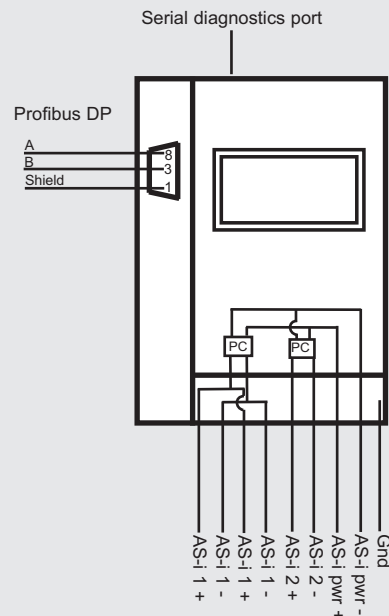


Enclosure Option



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Schematic Drawing



Graphical Display

The new interactive graphical display on this gateway enables the entire AS-Interface network to be commissioned and the connected devices to be completely tested without a PC, PLC or host system. It also enables the user to complete all tasks previously requiring the "AS-Interface Control Tools" software package or handheld. This allows for simpler and faster commissioning.

Features

- Set device addresses
- Test inputs and outputs
- Perform network diagnostics
- View error counter