

Masters and Gateways

StoneL Model 458102

AS-Interface to PROFIBUS-DP Basic Gateway

The AS-Interface/PROFIBUS gateway interfaces the AS-Interface to PROFIBUS-DP. The gateway acts as a master for AS-Interface and as a slave for PROFIBUS. AS-Interface functions can be called up via PROFIBUS. Commissioning can be accomplished with a handheld addressing unit or with the push-buttons on the gateway.

Features

- Version 2.1 master-compatible with all 2.0 and 2.1 slaves and 7.3 profile analog modules



Specifications

AS-Interface Master Version

- 2.1

Interface • PROFIBUS-DP

Operating Current • 200mA
(from AS-Interface circuit)

Operating Voltage • 30 VDC AS-Interface Voltage
(AS-Interface power supply)

Baud Rate • 9.6k - 12000k Baud
(automatic recognition)

AS-Interface Cycle Time • Cycle Time = 150 microsec.
x (AS-Interface Slaves + 2)

Displays

- LCD Display
- Power on, 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

Ingress Protection • IP20, field enclosure required

Weight • 460g (1.0 pounds)

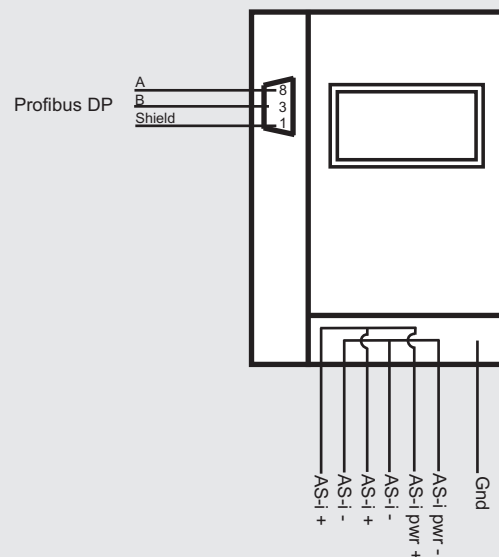


Enclosure Option



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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