process networking solutions **FieldLink**

Masters and Gateways

StoneL Model | GW458138A

Dual Channel AS-Interface to Ethernet TCP/IP

The Dual Channel AS-Interface/Ethernet gateway interfaces two (2) AS-Interface networks to Ethernet TCP/IP. The gateway acts as a master for two (2) AS-Interface networks and as an Ethernet node.

Features
- Direct connection into Ethernet TCP/IP networks
- Modbus/TCP protocol
- Version 3.0 master-compatible with all 2.0 and -3.0 slaves and 7.3 profile analog modules

- AS-Interface peripheral fault diagnostics.
- Serial Diagnostics Port: see 462008 for cable and software
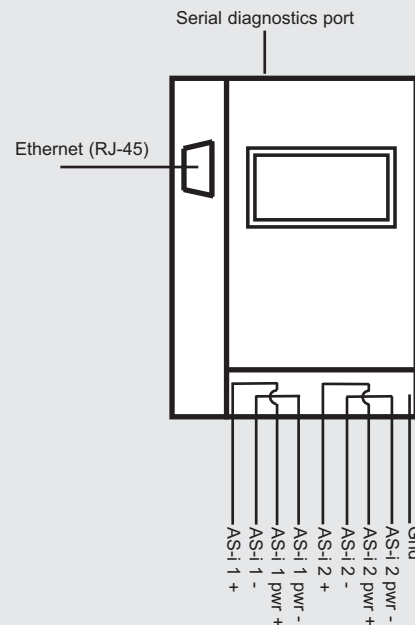- ETL approved Class I Division 2 (GW458138A)

Enclosure Option

FR

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Specifications

AS-Interface Master Version	• 3.0
Interface	• 10BaseT (RJ-45 Connector) per IEEE 802.3
Operating Current	• 200mA (from AS-Interface 1) • 70mA (from AS-Interface 2)
Operating Voltage	• 30 VDC AS-Interface Voltage (AS-Interface power Supply)
Baud Rate	• 10/100 MBaud
AS-Interface Cycle Time	• Cycle time = 150 microsec. x (AS-Interface Slaves +2)
Displays	• Slave addresses and error messages, 2 digit LCD • AS-Interface Network 1/ AS-Interface Network 2, green LED • Ethernet active, green LED • Configuration error, red LED • Power on, green 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, 100mm, 85mm
Ingress Protection	• IP20, field enclosure required
Weight	• 550g (1.2 pounds)
Approvals (458138)	• ETL approved Class I Division 2, Groups A,B,C,D

Schematic Drawing

Serial diagnostics port

Ethernet (RJ-45)

AS-i 1 +
AS-i 1 -
AS-i 1 pwr +
AS-i 1 pwr -
AS-i 2 +
AS-i 2 -
AS-i 2 pwr +
AS-i 2 pwr -
Gnd

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