

## Masters and Gateways

### StoneL Model GW458140A

#### Dual Channel AS-Interface to Ethernet TCP/IP with Single Power Supply Feature

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 (GW458140A)
- Single power supply for 2 networks



#### Specifications

AS-Interface Master Version  
• 3.0

Interface  
• 10BaseT (RJ-45 Connector) per IEEE 802.3

Operating Current  
• 250mA

Operating Voltage  
• 30 VDC Requires (1) 30VDC power supply see 459040, 459042, 459044, 459046

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 +82°C (-13° to +180°F)

Housing  
• Stainless Steel, DIN rail mounting

Dimensions (L, W, H)  
• 120mm, 100mm, 83mm

Ingress Protection  
• IP20, field enclosure required

Weight  
• 550g (1.2 pounds)

Approvals (458140)  
• ETL approved Class I Division 2, Groups A,B,C,D

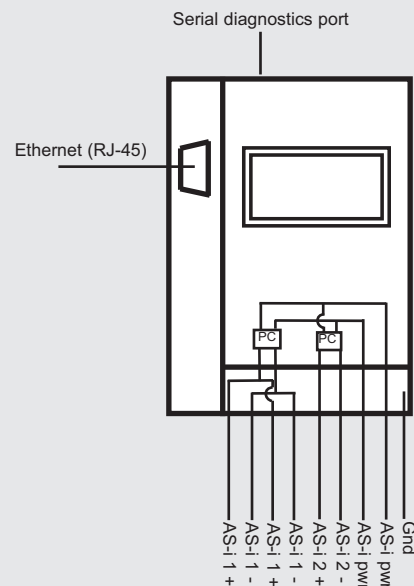


Enclosure Option



p.166

#### 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