

Masters and Gateways

StoneL Model 458134, 458140

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 (458140)
- 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	<ul style="list-style-type: none"> • 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

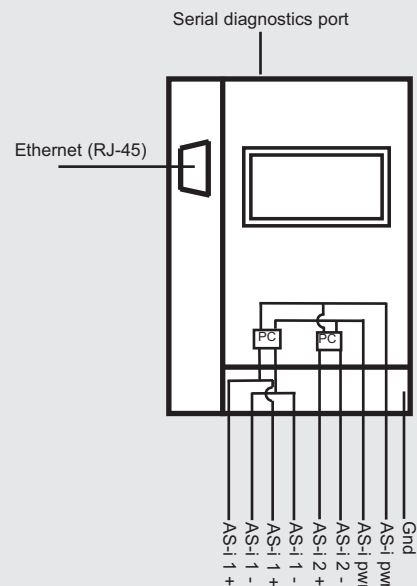


Enclosure Option



AS-Interface

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