

## Masters and Gateways

### StoneL Model 458124, 458130

#### Dual Channel AS-Interface to Modbus RS485 Gateway with Single Power Supply Feature

Serial Dual Channel AS-Interface master with Modbus communication protocol for operation with host

#### Features

- Version 3.0 Master, compatible with all 2.0-3.0 slaves and 7.3 profile analog modules
- Duplicate address detection
- AS-Interface peripheral fault diagnostics
- Serial Diagnostics Port: see 462008 for cable and software
- ETL approved Class I Division 2 (458130)
- Single power supply for 2 networks



Enclosure Option



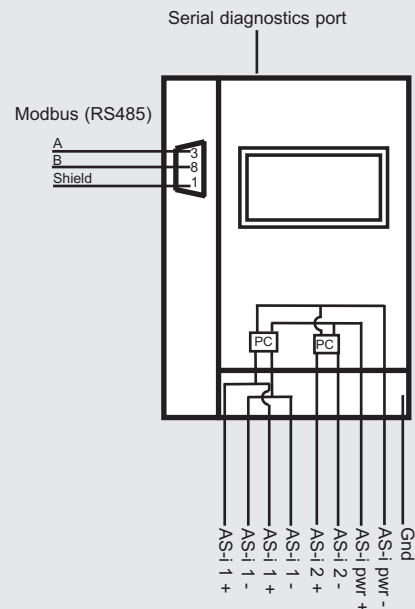
p.166



#### Specifications

AS-Interface Master Version	• 3.0
Serial Interface	• RS485 (9-pin female DB9)
Operating Current	• 250mA (from AS-Interface circuit)
Operating Voltage	• 30 VDC Requires (1) 30VDC power supply see 459040, 459042, 459044, 459046
Baud Rate	• 1200k - 115,000 Baud
AS-Interface Cycle Time	• Cycle time = 150 microsec. x (AS-Interface Slaves +2)
Displays	<ul style="list-style-type: none"> <li>• Slave addresses and error messages LCD</li> <li>• Power on, green LED</li> <li>• Serial communication active, green LED</li> <li>• Configuration error, red LED</li> <li>• AS-Interface voltage normal, green LED</li> <li>• AS-Interface normal operation, green LED</li> <li>• Automatic address program enabled, green LED</li> <li>• Master in configuration mode, yellow LED</li> </ul>
Buttons	• 4
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
Weight	• 460g (1 pound)
Approvals (458130)	• ETL approved Class I Division 2, Groups A,B,C,D

#### 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