

## Masters and Gateways

### StoneL Model 458078, 458110

#### AS-Interface to PROFIBUS-DP 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

- Duplicate address detection
- Version 3.0 master-compatible with all 2.0-3.0 slaves and 7.3 profile analog modules
- AS-Interface peripheral fault diagnostics
- Serial Diagnostics Port: See 462008 for software and cable
- ETL approved for Class I Division 2 (458110)



Enclosure Option

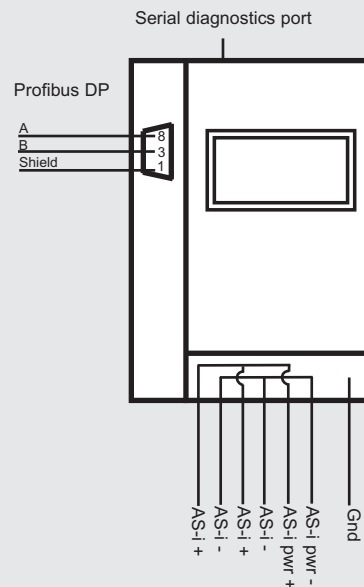


p.166

#### Specifications

AS-Interface Master Version	• 3.0
Interface	• PROFIBUS-DP
Diagnostic Interface	• Serial RS232
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	<ul style="list-style-type: none"> <li>• LCD Display</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>
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 (L, W, H)
Ingress Protection	• IP20, field enclosure required
Weight	• 460g (1.0 pounds)
Approvals (458110)	• ETL approved Class 1 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