Masters and gateways

Model number

GW458112A

Dual channel AS-Interface to Profibus-DP gateway

The AS-Interface/Profibus gateway interfaces two (2) AS-Interface networks to Profibus-DP. The gateway acts as a master for two (2) AS-Interface networks and as a single slave for Profibus. AS-Interface functions can be called up via Profibus. Commissioning can be easily accomplished with the use of a hand-held addressing unit or with the push buttons on the gateway.
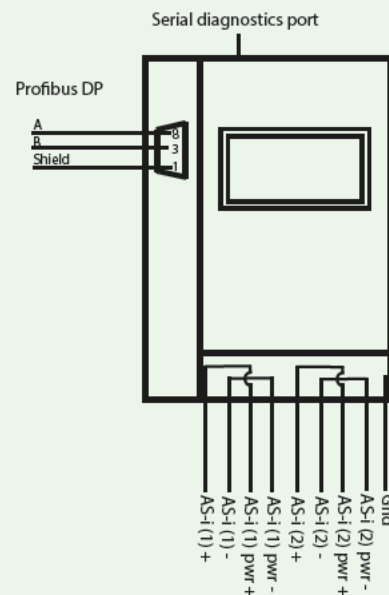
Features

- 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 SW462008A for software and cable
- ETL approved for Class I Division 2

Specifications	
AS-Interface master version	3.0
Interface	Profibus-DP
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	9.6k - 12000k baud (automatic recognition)
AS-Interface cycle time	Cycle time = 150 microsec. x (AS-Interface slaves +2)
Displays	LCD display Display network1/network2, green LED Serial communication active, green LED Configuration error, red 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 temperature	0° to +55°C (+32° to +131°F)
Storage temperature	-25° to +82°C (-13° to +185°F)
Housing	Stainless steel, DIN rail mounting
Dimensions (L, W, H)	120mm, 75mm, 83mm
Ingress protection	IP20, field enclosure required
Weight	460g (1.0 pounds)
Approvals	ETL approved Class I Division 2 groups A,B,C,D

Schematic drawing

Graphical display

The 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 hand-held. This allows for simpler and faster commissioning.

Features

- Set device addresses
- Test inputs and outputs
- Perform network diagnostics
- View error counter

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