



Setting (Continued)

Terminator

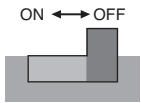
A bus termination is required at both ends of the PROFIBUS DP bus segment.

<EX260-SPR1/-SPR2/-SPR3/-SPR4>

The bus termination switch is built-in to EX260-SPR1/-SPR2 /-SPR3/-SPR4.

Switch it ON if the SI unit is at the end of the fieldbus segment.

Note: Factory default setting is OFF.



<EX260-SPR5/-SPR6/-SPR7/-SPR8>

EX260-SPR5/-SPR6/-SPR7/-SPR8 do not have a built-in termination resistor.

Termination is required on the outside of the SI unit. A termination switch built-in to the PROFIBUS DP D-sub connector may be used.

Configuration

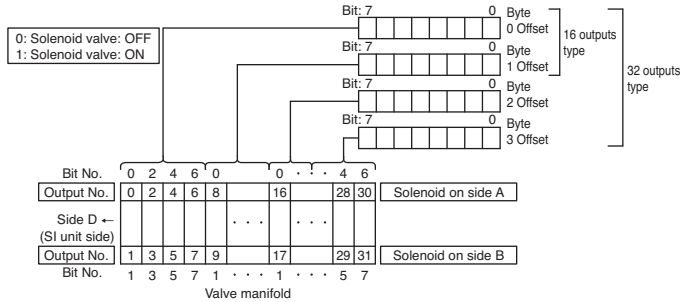
In order to configure the SI unit in the PROFIBUS DP network, the appropriate device master file (GSD file) for the SI unit will be required. The current GSD file can be found on the SMC website (URL <http://www.smcworld.com>)

GSD file

	Part number	GSD file
1	EX260-SPR1/-SPR2	Smc_1430.gsd
2	EX260-SPR3/-SPR4	Smc_1431.gsd
3	EX260-SPR5/-SPR6	Smc_1432.gsd
4	EX260-SPR7/-SPR8	Smc_1433.gsd

Output number assignment

The output number refers to the solenoid position on the manifold and starts at zero.



Diagnostic information

The EX260 SI unit can support 8 bytes of diagnostic information, 6 bytes standard diagnostic information and 2 bytes SI unit-related diagnostic information.

Diagnostic information can be requested by the DP master from the SI unit, and such system fault states can be indicated by the SF LED.

Technical documentation giving detailed diagnostic information can be found on the SMC website (URL <http://www.smcworld.com>)

LED indication



LED	Description
SF	System fault
BF	BUS fault
PWR	Turns ON in green when SI unit operating voltage is supplied
PWR(V)	Turns ON in green when load voltage for the valve is supplied Turns OFF when load voltage for the valve is not supplied or outside tolerance range (19 V or less)

<Indication of communication status>

SF status	BF status	Description
<input type="checkbox"/> OFF	<input type="checkbox"/> OFF	No fault. Communication connection to the master is established
<input type="checkbox"/> OFF	<input type="checkbox"/> Red ON	SI unit can not detect a transmission rate and the connection to the DP master has failed
<input type="checkbox"/> OFF	<input checked="" type="checkbox"/> Red flashing	SI unit has detected the transmission rate, but is not addressed by the DP master
<input type="checkbox"/> Red ON	<input type="checkbox"/> OFF	SI unit-related diasgnostic error is detected (load power for the valve is not supplied or outside tolerance range)
<input type="checkbox"/> Red ON	<input type="checkbox"/> Red ON	SI unit PROFIBUS DP address outside range
<input type="checkbox"/> Red ON	<input checked="" type="checkbox"/> Red flashing	The configuration data sent from the DP master to the SI unit does not agree with the SI unit configuration

Troubleshooting

Technical documentation giving detailed troubleshooting information can be found on the SMC website (URL <http://www.smcworld.com>)

Specifications

Connected load: 24 VDC Solenoid valve with light and surge voltage suppressor of 1.5 W or less (manufactured by SMC)  
Current consumption of power supply for SI unit operation: 0.1 A max.  
Ambient temperature for operation: -10 to 50 °C  
Ambient temperature for storage: -20 to 60 °C  
Pollution degree 2: (UL508)

Technical documentation giving detailed specifications can be found on the SMC website (URL <http://www.smcworld.com>)

Outline Dimensions

Technical documentation giving detailed outline dimensions can be found on the SMC website (URL <http://www.smcworld.com>)

Accessories

Technical documentation giving detailed accessories information can be found on the SMC website (URL <http://www.smcworld.com>)

Contacts

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URL <http://www.smcworld.com> (Global) <http://www.smceu.com> (Europe)

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