

! Contact our sales office for delivery dates and prices as this is a special model.

Specialized Product **P.G.** Point to Group information

AnyWireASLINK Compatible Fieldbus System

EX180-SAW1-X237

Features

Supports the **AnyWireASLINK** [4-wire (insulation) type]^{*1} communication protocol

- 32 output points specification
- Applicable valve series: SJ/S0700 Series

*1 The AnyWireASLINK is a network specialized for actuators and sensors provided by Anywire Corporation. The network can be configured with only one cable by superposing a power supply on the communication line. In addition to this, the network is applicable to a variety of wiring configurations, enabling flexible system design.



Specifications

General Specifications

Item		Specification
Communication	Applicable system	AnyWireASLINK [4-wire (insulation) type]
Power supply voltage range		Control power supply: 24 VDC (Supplied from the AnyWireASLINK transmission line) Valve power supply: 24 VDC + 10%/– 5% (Voltage drop warning is generated at approximately 16 V.)
Current consumption		Control power supply: 0.1 A or less Valve power supply: Based on the connected load
Output	Output type	Sink/NPN (Positive common)
	Number of outputs	32 outputs
	Connected load	Solenoid valve with surge voltage suppressor of 24 VDC and 1 W or less, made by SMC
	Fail safe	Clear
Environment	Enclosure	IP20
	Withstand voltage	500 VAC for 1 minute (Between FG and external terminal)
	Insulation resistance	10 MΩ or more (500 VDC, Between FG and external terminal)
	Ambient temperature	Operating: – 10 to 50°C Stored: – 20 to 70°C
	Ambient humidity	35 to 85% RH (No condensation)
Operating environment		No corrosive gas and no dust
Standard		CE marking
Weight		110 g or less (Including accessories)



Caution

To ensure the safest possible operation of this product, please be sure to thoroughly read the “Safety Instructions” in our “Best Pneumatics” catalog before use.

SMC Corporation 4-14-1, SOTO-KANDA, CHIYODA-KU, TOKYO 101-0021, JAPAN URL: <http://www.smcworld.com>

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SP175X-007E
P: VZ

How to Order

EX180 - S AW1 - X237

- Applicable network, Number of outputs, Output type

Symbol	Specifications
AW1	AnyWireASLINK, 32 outputs, NPN output (Positive common)

Wiring Specifications

Make sure to connect the AnyWireASLINK to the designated pins. (See Fig. 1.)

The AnyWireASLINK communication connector is suitable for use with wire sizes from AWG24 to 12 (0.2 to 2.5 mm²).

Tighten firmly with a tightening torque of 0.5 to 0.6 N·m.

Tighten the connector fixing screws (M2.5 slotted head screws) firmly with a tightening torque of 0.2 to 0.3 N·m.

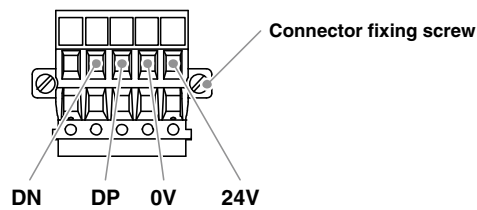
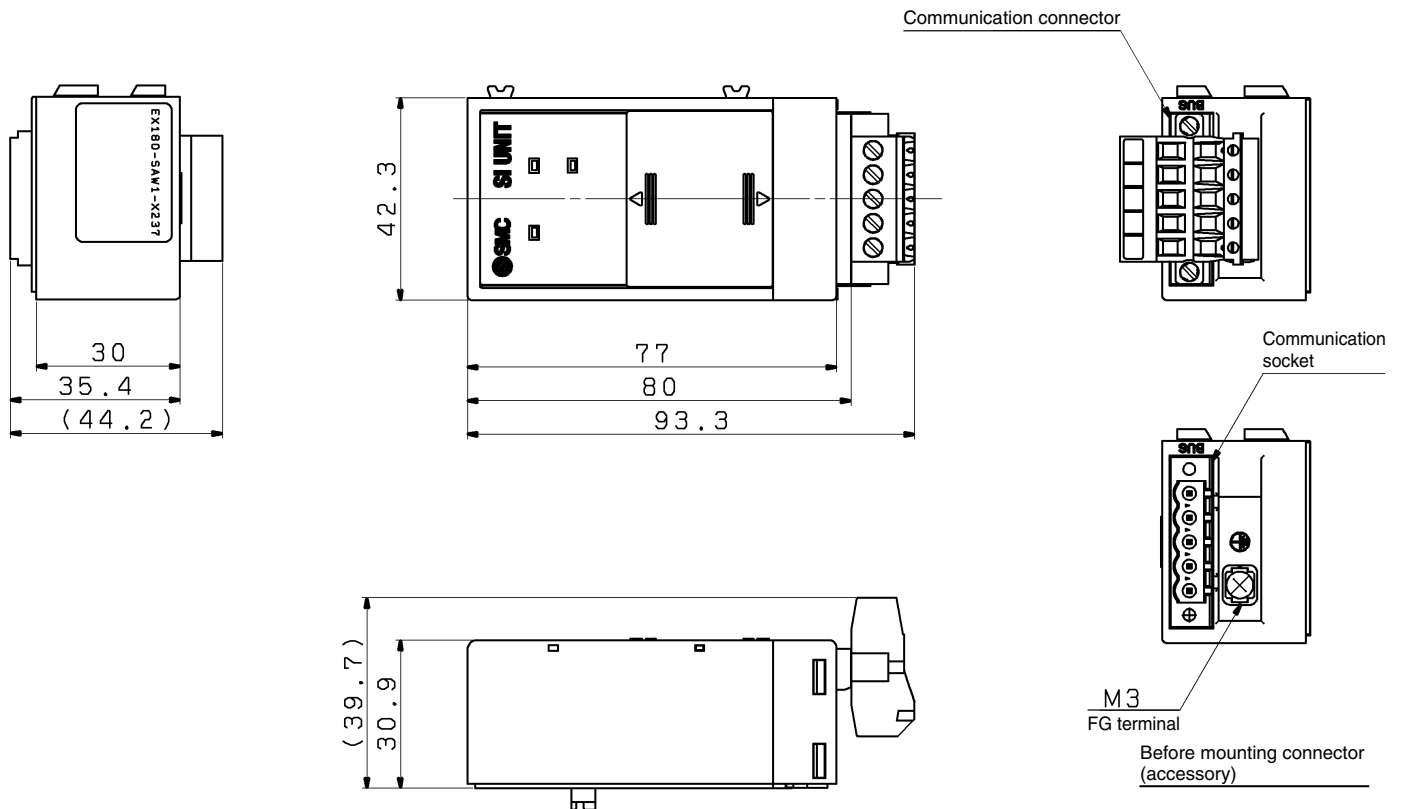


Fig. 1

Dimensions

[mm]

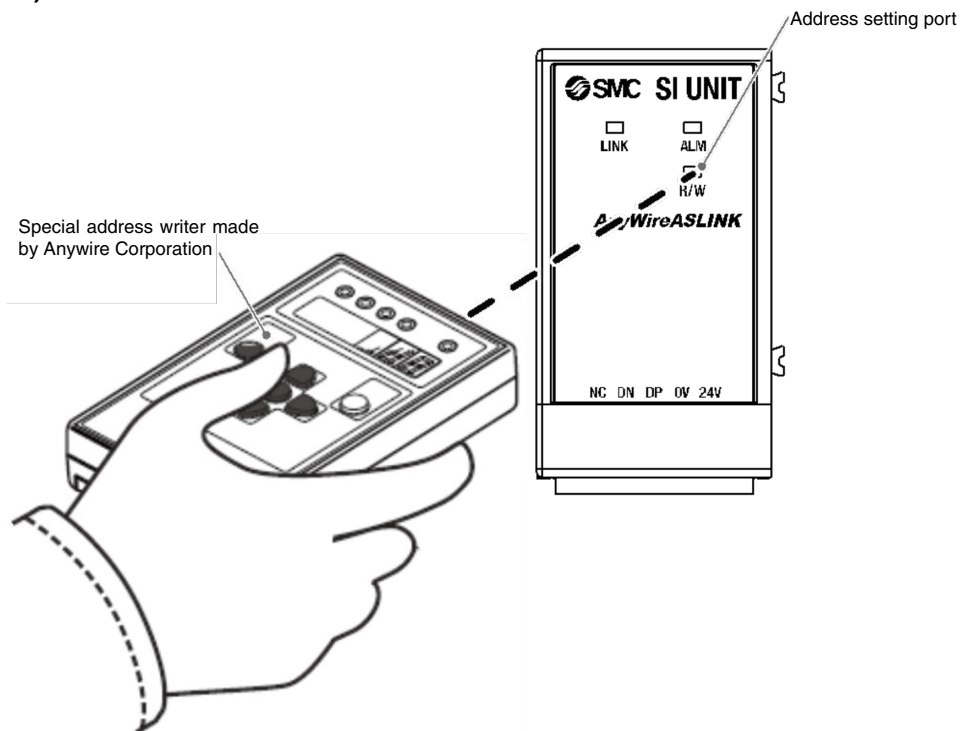


Address Setting

- The address number set to the SI unit is used to make correspondence with the input/output memory map of the controller. This address number indicates the assigned position relative to the AnyWireASLINK transmission frame (0 to 254), and this SI unit occupies 32 points after the address number to be set.
- The address number can be set in one-point increments.
- Write the setting address into an SI unit using the ARW-03 (Ver. 2.10 or later) or ARW-04 special address writer made by Anywire Corporation. For the ARW-03 (Ver. 2.10 or later) or ARW-04 address writer operating instructions, refer to the operation manual prepared by Anywire Corporation.

Address number that can be set: 0 to 224

(Image of writing address)



⚠ Caution

- For dimensions when combined with the valve manifold, use the dimensions of the valve manifold where the standard EX180 series unit is mounted.
 - Order the valve manifold separately. Specify "no SI unit" and "positive common" for the manifold specifications.
- ⇒For dimensions and part numbers of the valve manifold, refer to the SJ series and the S0700 series in the **Web Catalog**.