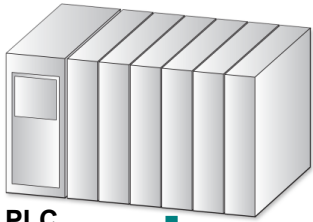


# PLC Interface Unit

Interfaces the PLC & peripheral devices and **reduces work load !**

**NEW !**



PLC



UP TO  
**95** units  
Connectable



Model: SIF-600

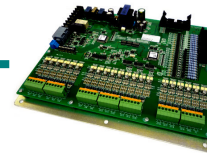
To controllers within the control panel



To controllers on the control panel



To controllers on PCB



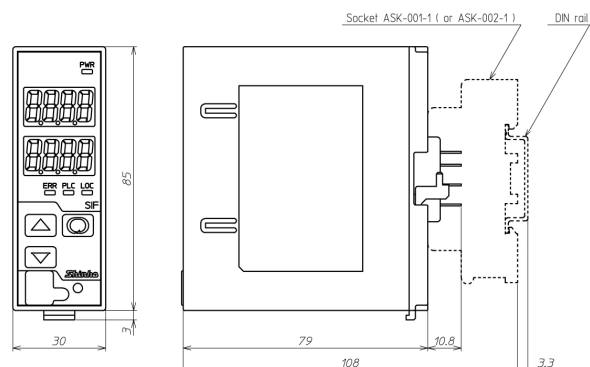
To multi-point temperature controllers



## Features

- 4 types of communication  
Flagless, Multi address, Flexible address, Fixed address
- SIF-600 relays communication between the PLC & a maximum of 95 units of controllers.
- Simple connection to Shinko's WCL (2ch digital controller) **without programming.**
- Easier maintenance using a **plug-in socket**

## External dimensions



## ■ Communication Method

Communication Method	Description
Flexible address	RO data items are constantly updated, and settings of R/W data items are managed by the Set value change flag.
Multi address	RO data items are constantly updated, and settings of R/W data items are managed by the Set value change flag. Block Communication Command is available.
Flagless	There is no Set value change flag.
Fixed address	20 channels for specified items are fixed.

## ■ PLCs Corresponding to SIF-600

Mitsubishi Electric Corp.	MELSEC A (A, AnA), Q series, QnA series, FX series
Omron Corp.	CJ/CS/CP series
Keyence Corp.	KV series
Yokogawa Electric Corp.	FA-M3 series

## ■ Standard Specifications

Communication line	Between SIF-600 and PLC: RS-232C, RS-485, RS-422A (Terminal) Between SIF-600 and Controllers: RS-485 (Modular jack, terminal)
Communication	PLC communication function (Communicates with the PLC selected during Parameter setting mode.) Communication line: RS-232C/RS-485/RS-422A, Built-in terminator (200Ω) between RXA and RXB of RS-422A Communication method: Half-duplex communication start-stop synchronization Communication speed: 9600bps, 19200bps, 38400bps (Default: 9600bps) Data format: Start bit: 1 Data length: 7, 8 (Default: 7) Parity: No parity, Even, Odd (Default: Even) Stop bit: 1, 2 (Default: 1)  Digital controller communication function Communication line: RS-485 Communication method: Half-duplex communication start-stop synchronization Communication speed: 9600bps, 19200bps, 38400bps (Default: 9600bps) Data format: Start bit: 1 Data length: 7, 8 (Default: 7) Parity: No parity, Even, Odd (Default: Even) Stop bit: 1, 2 (Default: 1) Connectable controllers: Controllers in which Shinko protocol is included.  Initial setting communication Setting item data can be transmitted from the console software for initial setting. Using a communication cable (CMB-001, sold separately) to connect a PC and SIF-600, connect to the Communication Connector on the front panel of the SIF-600. Compatible OS: Windows XP, Windows Vista, Windows 7(32bit) Communication circuit: TTL level Protocol: Shinko protocol Communication method: Half-duplex communication start-stop synchronization Communication speed: 19200bps (fixed)
Display	Multi display: Red LED 2 x 4-digit displays Character size: 7.4 x 4mm (H x W)
Status indicator	PWR indicator (Green): Lit when the power is supplied to the instrument. ERR indicator (Red): Lit when communication errors occur. PLC communication indicator (Yellow): Lit during PLC Serial communication TX output (transmitting). LOC communication indicator (Yellow): Lit during Controller Serial communication TX output (transmitting).
Supply voltage (Must be specified)	100 or 240V AC 50/60Hz, Allowable fluctuation range: 85 to 264V AC 24V AC/DC 50/60Hz, Allowable fluctuation range: 20 to 28V AC/DC
Insulation resistance	10MΩ or more, at 500V DC
Dielectric strength	Power terminal - Communication (LOCAL) terminal: 1.5kV AC for 1minute Power terminal - Communication (PLC) terminal: 1.5kV AC for 1minute Communication (PLC) terminal - Communication (LOCAL) terminal: 1.5kV AC for 1minute
Ambient temperature & Humidity	Ambient temperature: 0 to 50°C Ambient humidity: 35 to 85%RH (non-condensing)
Power consumption	Approx. 7VA
Mounting	DIN rail
Dimensions & Weight	Dimensions: W30 x H88 x D108 mm (including socket) Weight: Approx. 180g (including socket)

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