ARRAY SH-300

Run flow
40%
Open
Close
Temp curve

1 2 3 4 5 +/-
6 7 8 9 0 CLR
ESC SET
ALM ENT

ARRAY ELECTRONIC
TEXT
PANEL
SH Series

TEXT PANEL

- Considerate Design
- Remarkable Performance
- Perfect Combination

SH SERIES

Features

Connectable PLC Devices

As the variety of PLC models, SH-300 not only can support our ARRAY PLC, but also can support PLC of many domestic and overseas brands. We can add the corresponding PLC protocol according to your requirements (including Mitsubishi FX series, Omron C series, Siemens S7-200 series, Panasonic FP series,

Delta DVP series, ADC DL05 series, Schneider NEZA/TWIDO series, AB (AB-DF1 protocol) series, Emerson EC20 series, Hitachi MICRO-EH series, free protocol, MODBUS RTU/ASCII, RTU/ASCII EXTEND protocol, and TC-PRO48 Timercounter series etc..

| Mitsubishi FX series	Panasonic FP series	and so on
Siemens S7-200 series	Schneider NEZA/TWIDO series	and so on

Flexible Communication Interface

Selectable interfaces include RS232/RS422/RS485. The communication protocol will be downloaded into SH-300 display together with the displayed data, and there is no need to edit the communication program in PLC separately. The updated SH-300 program surpasses the old version apparently with its faster running speed, response speed, and refresh rate.
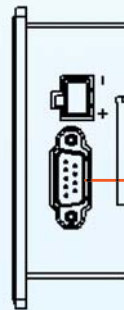
DB9 Male, supporting several kinds of interfaces.

Communicating with Multiple PLC

SH-300 can support PLC of multipoint communication to realize 1: N communication. At most 256 sets PLC of same type can be connected to one SH-300, which depends on the maximum station number of corresponding PLC.

RS485

PLC   PLC   PLC   . . .   PLC
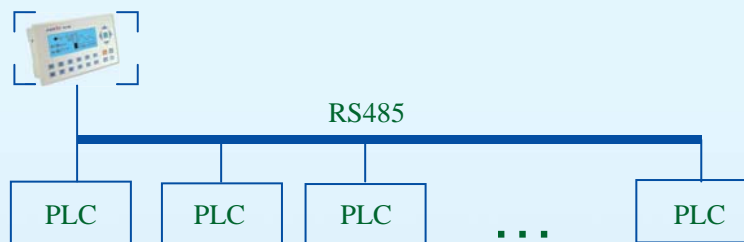
On-line Simulation Function

Use SH-300 to set the values of some registers, which makes it convenient to test the communication and function of controllers.

SET   value=12345
show value= 12345
status value= ◯
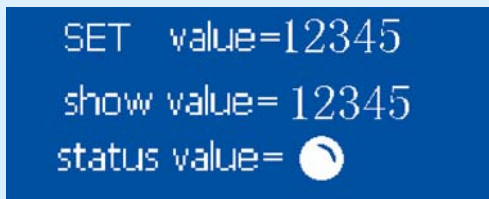
Alarm List Function

You can create and manage all alarming messages. When it is in accordance with the preset alarming condition, alarming message will be popped up. And it will be back to normal display when the alarming condition is eliminated.
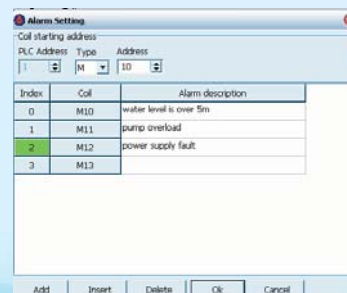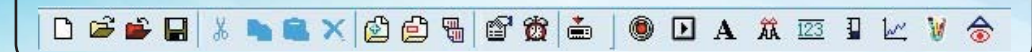
Distribution bar
Aided edit tools enable you to distribute objects more efficiently, such as fast bottom alignment, top alignment, vertical alignment etc.
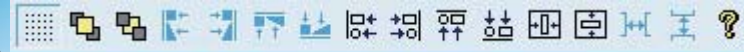
Tool bar
Simple shortcut icons and various function lists enable you to do editing operation more easily, which includes static text, dynamic text, message display, data display/set, bar chart, indicator, function keys, trend chart and images

Window description
Description and distribution of display images enables you to know the usage of each display image more easily and clearly.

Scre...	Description
1	station 1
2	station 2
3	station 3
4	station 4
5	station 5

Sh300- C:\Documents and Settings\w_2135\My Documents\sr with sh300 test.lsh

File(F) Edit(E) View(V) Screen(S) Object(O) Connect(C) Tool(T) Help(H)

Scre...	Description
1	
2	jj
3	s
4	A
5	A

Screen Editor

Temperature 4 ①②123. 4 ℃④
Temperature 5 · · · · 123. 4 ℃ :
Temperature 6 · · · · 123. 4 ℃ ③
Temperature 7 · ⑤ · 123. 4℃③

Property[Screen]

Screen NO.
3   [Change]

Screen Description
s

Pressing Up Arrow key, switch to screen NO.
2

Pressing Down Arrow key, switch to screen NO.
4

Object in same rect!   Array (SR) ver1.00   [94,56]   Block   English

Edit section
Edit the display image in this section to meet your requirements.

Temperature 4 ①②123. 4 ℃④
Temperature 5 · · · · 123. 4 ℃ :
Temperature 6 · · · · 123. 4 ℃ ③
Temperature 7 · ⑤ · 123. 4℃③
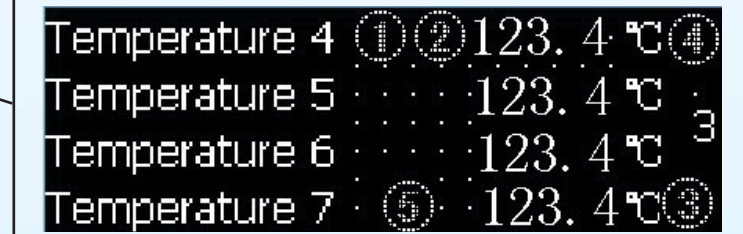
Status bar
Prompt messages, such as software language, version, and object position etc.

Object in same rect!   Array (SR) ver1.00   [92,1]   Block   English
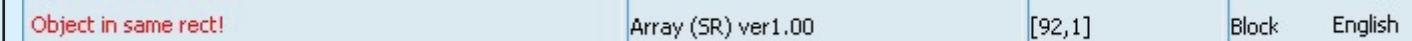
| Basic requirements for SH- 300 software	
Hardware/Software	Specifications
PC	Above Pentium III 500MH
Memory	Above 256MB
Hard disk	Above 400MB
Display	Above 800*600 resolution
Operating system	Windows 2000/XP/VISTA

SH-300 Software

Multi Language Software Edit Interface

SH-300 provides completely open multi language menu structure, which enables you to self-define menu easily and completely. You can choose Chinese, English, German, Japanese, Korean, Italian, Russian, Spanish, Swedish, Turkish, Dutch, French, and Hungarian Czech, etc.
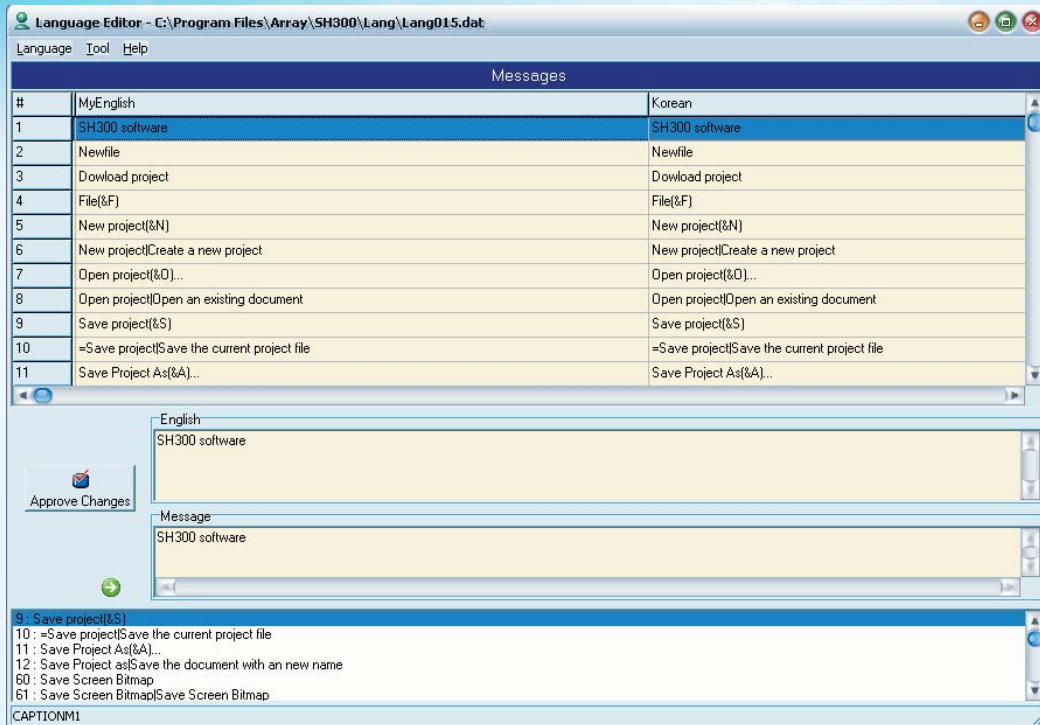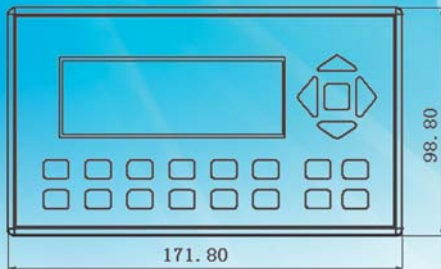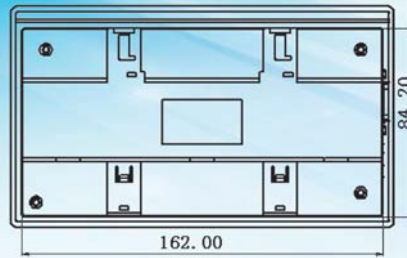

Password Protection

It is provided with two password-protected function: administrator`s (project file) password, and operator`s (operate SH-300) password, which makes your application safer and free from illegal operation.
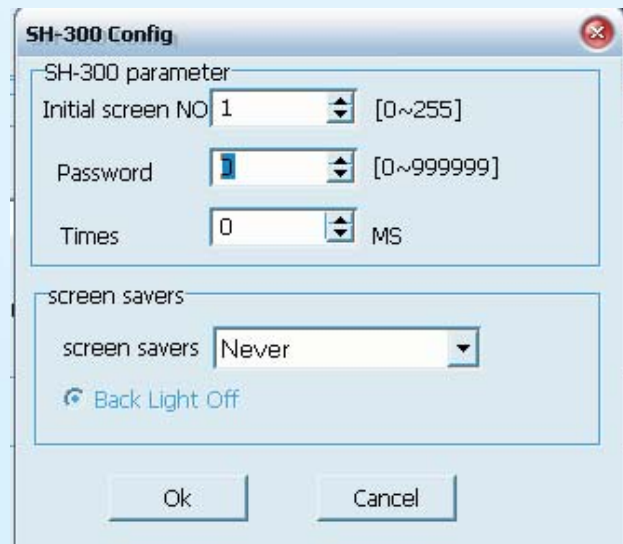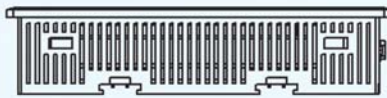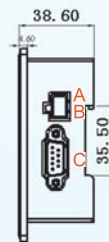
Dimensions & Installation
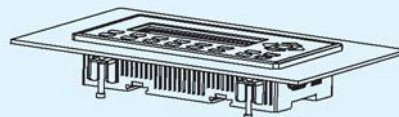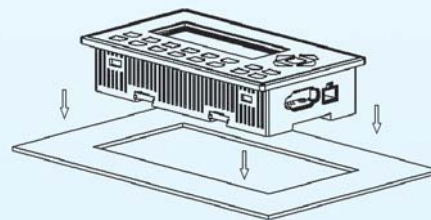
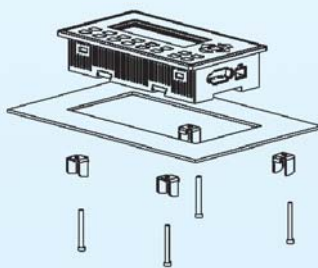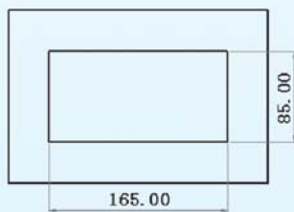Front view (unit: mm)

Back view (unit: mm)

Direct-sight view

Right-side view (unit: mm)

A- input terminal for negative pole of power supply
B- input terminal for positive pole of power supply
C- communication port RS-232/RS-422/RS485

⬤ Embedded Installation

⬤ DIN Rail Installation   ⬤ Screw Installation
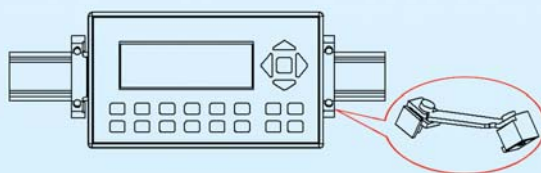
The installation surface must be up to the Standard Type4, applicable to indoor use or the switchboard box with the same condition. Thickness of clapboard: 0.5-9.0mm. Dimensions of the installation holes are shown above.

Specifications

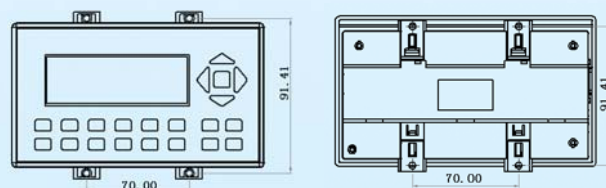| Hardware Specifications	
Display	4.3″ STN LCD display
Resolution	192 x 64 pixel
LCM life span	Over 50000 hours under the conditions of 25± 2 65± 10% RH
Brightness	60 cd/m²
Color	Monochrome
Contrast	Adjustable resistor
Background light	Long life LED
Memory	110KB Flash ROM
Communication port	PC RS232& PLC RS485/422 & PLC RS232
Function key	14 self- definable keys
Allowable power disruption	Within 20ms
Overall dimensions	171.8× 98.8× 38.6mm
Display dimensions	96× 32mm
Installation holes` dimensions	165× 85mm
Cooling method	Natural air cooling
Weight	260g
Electrical Specifications	
Power supply	12 24VDC± 10% <300mA
Withstanding voltage	500VAC 1 minute (between signal and ground)
Insulation resistance	Over 10M ohm @ DC500V (between signal and GND)
Environmental Conditions	
Operating ambient temperature	- 10 60
Operating ambient humidity	20%RH 90%RH no condensation
Storage temperature	- 20 70
Anti- interference capacity	Voltage 1500Vp- p, pulse cycle 1us, duration: 1s
Vibration resistance	10~25Hz (X, Y, Z direction, 2G, 30 minutes)
Protection level	IP 65 (front panel)

Application Fields

SH-300 Text Panel enjoys wide applications, such as construction machinery, textile machinery, stone machinery, injection machine, shoe-making machine, printing machinery, packing machinery, foundry machinery, transportation machinery, ceramic machinery, zipper making machinery, numerical control machinery, and elevator etc.

Intelligent Components For Your Applications

The whole developmental history of mini automation products

AF series

Switching power supply

SR series

Text panel