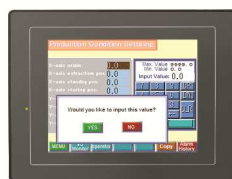


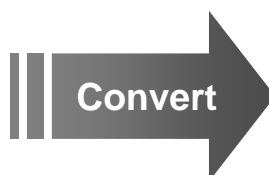
TECHNOSHOT

TS2060 Replacement Guidance

[S806 > TS2060]



S806 series


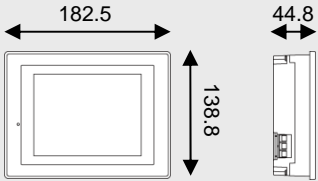
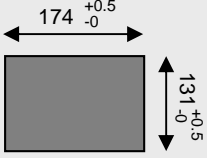



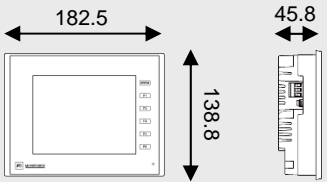
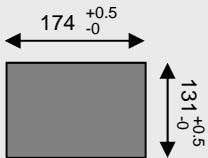
TS2060

- Model names of S806 series

S806C	STN color LCD QVGA / built-in SRAM128 KB
S806M20	STN monochrome LCD QVGA / built-in SRAM128 KB
S806M10	STN monochrome LCD QVGA / without built-in SRAM

- Main difference

S806 series		
	S806C	S806M
Front view		
External dimensions (mm)		
Panel cut-out (mm)		
Display device	STN color	STN monochrome
Display color	256 colors	8 shades of gray
Display area	5.7-inch	
Resolution	320 × 240 dots	
Memory	FROM	2.25 MB
	SRAM	128 KB *1 / none
Touch switch	Analog	
Com. I/F	Serial *2	COM1: D-sub 9pin (female) Metric screw threads RS-422/485
		COM2: D-sub 9pin (male) Metric screw threads RS-232C
	USB	USB-B
Power supply	24VDC	
PS terminal position *3	Lower right on the back side, right direction	
PS terminal form *3	For spade terminals, Cross-recessed head screws	

Recommended replacement models	
TS2060	
	
	
	
TFT color	
Color: 32,768 colors / 256 colors Mono.: 8 shades of gray	
5.7-inch	
320 × 240 dots	
2.5 MB	
128 KB	
Analog	
MJ2: Modular 8 pin RS-232C / RS-422 (4-wire)/ RS-485 (2-wire) *It is possible to covert the existing cable by our "MJ2-COM1"	
MJ1: Modular 8 pin RS-232C / RS-485 (2-wire) *It is possible to covert the existing cable by our "MJ-COM2"	
USB-miniB	
24VDC	
Upper right on the back side, right direction	
For blade terminals, Slotted head screws	

*1 Only S806C/S806M20

*2 Please refer to page 3 concerning forms of each connector.

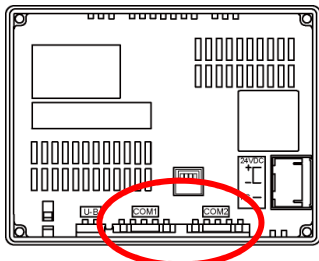
When the existing cable is utilized, please use our conversion cable "MJ2-COM1", "MJ-COM2".

*3 For the details, please refer to page 3.

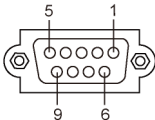
- Communication ports

Both of the communication ports differ in their connectors. Please check the following and prepare communication cables. It is possible to convert the cable which has been connected to S806 by our "MJ2-COM1", "MJ-COM2".

- S806

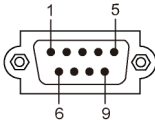


- COM1: A connector for RS-422/485 communication

COM1 D-sub 9pin (female)	No.	Signals
	1	RS-422 +RD
	2	RS-422 -RD
	3	RS-422 -SD
	4	RS-422 +SD
	5	SG
	6	None
	7	None
	8	None
	9	None

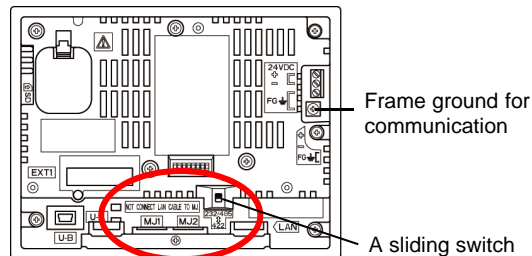
Please connect frame ground wires for communication to the terminal for frame ground.

- COM2: A connector for RS-232C communication

COM2 D-sub 9pin (male)	No.	Signals
	1	None
	2	RS-232C RD
	3	RS-232C SD
	4	None
	5	SG
	6	None
	7	RS-232C RTS
	8	RS-232C CTS
	9	None

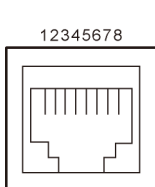
Please connect frame ground wires for communication to the terminal for frame ground.

- TS2060



- MJ2: A connector for RS-232C/RS-422/485 communication

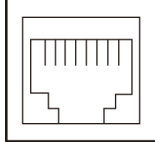
Please switch RS-422 (4-wire: down) and RS-232C/RS-485 (2-wire: up) by the sliding switch.

MJ2 RJ-45	No.	Sliding switch	Signals
	1	Up	RS-485 +SD/RD
		Down	RS-422 +SD
	2	Up	RS-485 -SD/RD
		Down	RS-422 -SD
	3	-	None
	4	-	None
	5	-	SG
	6	-	SG
	7	Up	RS-232C RD
		Down	RS-422 +RD
	8	Up	RS-232C SD
		Down	RS-422 -SD

Please connect frame ground wires for communication to the terminal for frame ground.

*It is possible to convert the cable which has been connected to S806 by our "MJ2-COM1".

- MJ1: A connector for RS-232C/RS-485 communication

MJ1 RJ-45	No.	Signals
	1	RS-485 +SD/RD
	2	RS-485 -SD/RD
	3	None
	4	None
	5	SG
	6	SG
	7	RS-232C RD
	8	RS-232C SD

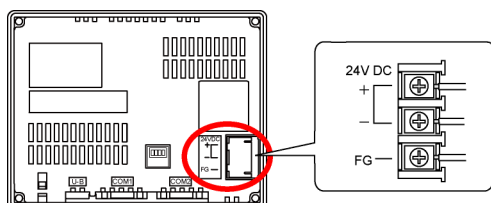
Please connect frame ground wires for communication to the terminal for frame ground.

*It is possible to convert the cable which has been connected to S806 by our "MJ-COM2".

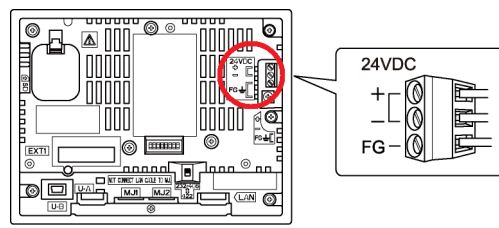
- Power supply terminals

Both of the power supply terminals differ in form and the position. If the power cable is connected to the power supply terminal with spade/ring terminals, it requires to process the terminals of the cable.

- S806



- TS2060



***It requires to tighten screws of the power supply terminal with a flat head screwdriver.**

Recommended flat head screwdriver :
Phoenix Contact SZS 0.6 x 3.5

- Power cable specifications

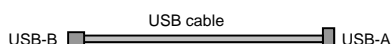
Power cables, frame ground wires: 16 to 14 AWG

- Power cable specifications

When the cable is directly connected to the power supply terminal	Power cable: 18 to 14 AWG Stranded/solid cable (1.0 to 1.6 mm in diameter) FG wire: 20 to 14 AWG Stranded/solid cable (0.8 to 1.6 mm in diameter)
When the cable is connected to the power supply terminal with blade terminals	Recommended blade terminal: AI 0.75-6 GY, AI 1-6 RD, AI 1.5-6 BK (Phoenix Contact) Recommended crimping tool: CRIMPFOX 6 (Phoenix Contact)

- Screen program transfer

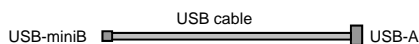
[S806 series]



V-SFT-5 (Ver. 5)

Windows 98SE / NT4.0 / Me / 2000 /
XP / XP 64 Edition / Vista (32bit, 64bit) /
7 (32bit, 64bit) / 8 (32bit, 64bit) /
8.1 (32bit, 64bit)

[TS2060]



V-SFT-6 (Ver. 6.0.16.0 or later)

Windows XP / XP 64 Edition /
Vista (32bit, 64bit) / 7 (32bit, 64bit) /
8 (32bit, 64bit) / 8.1 (32bit, 64bit) /
10 (32bit, 64bit)

- Screen program conversion

It is possible to convert screen programs of S806 to the programs of TS2060 with V-SFT-6 (configuration software).

Open the screen programs of S806 on V-SFT-6, click [System Setting] and then [Edit Model Selection], and change [Edit Model] to TS2060.

*We recommend models less restricted in use in this document. Because it is possible to replace your HMI with models other than the recommended one, please select models depending on your system.