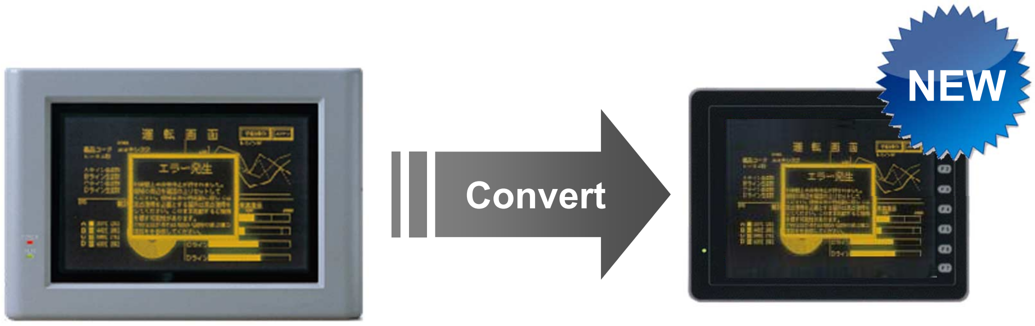
Fuji Electric MONITOUCH

MONITOUCH

V8 Replacement Guidance

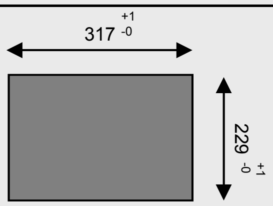
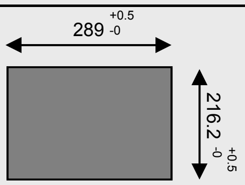
[GD-80 series]


Convert
NEW

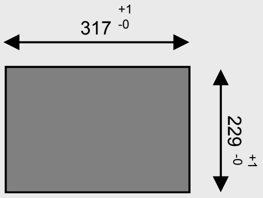
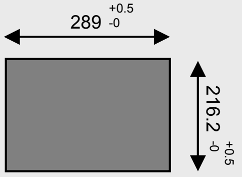
GD-80 series

V8 series

- Recommended models for replacement of GD-80T series

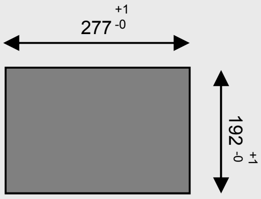
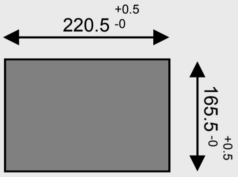
	GD-80T series		Recommended models for replacement			
	GD-80T0x0x-x	GD-80T0xMx-x	V810T/V810TN	V810C/V810CN	V810TM/V810TM	V810CM/V810CMN
MONITOUCH						
Panel cut-out dimensions (mm)			 Use Hakko Electronics’ mounting panel adaptor “PAD-V610”.			
Display device	TFT color		TFT color			
Colors	16 colors/8 colors		65,536 colors			
Resolution	640 × 400 dots		640 × 480 dots [When replaced with the V810C series, the resolution of 640 × 400 is also available.]			
Touch switch	Matrix		Analog		Matrix	
Communication I/F	D-sub 25-pin: RS-232C/422 Terminal block: RS-422	D-sub 25-pin: RS-232C/422 D-sub 15-pin: RS-422	D-sub 9-pin: RS-232C/422 Modular jack 8-pin (2 ports): RS-232C/RS-422			
Power supply	85 to 265 VAC		100 to 240 VAC			

*1 Use a V8-specific cable as a PLC connection cable. When using the existing cable, use Hakko Electronics’ conversion cable “D9-D25”.
*2 When directly connecting with a Mitsubishi A/QnA/FX CPU, use “D9-MB-CPUQ”. When using the existing cable, use Hakko Electronics’ conversion cable “D9-D15”.
*3 To use a terminal block for connection, use Hakko Electronics’ optional terminal converter “TC-D9”.
*4 When replaced with an analog switch model, two points on the screen cannot be pressed simultaneously. For two-point pressing, use a switch on the screen and a function switch.

	GD-80T series		Recommended models for replacement	
	GD-80TAx0x-x	GD-80TAxMx-x	V810iT/V810iTN	V810iTM/V810iTMN
MONITOUCH				
Panel cut-out dimensions (mm)			 Use Hakko Electronics’ mounting panel adaptor “PAD-V610”.	
Display device	TFT color		TFT color	
Colors	16 colors/8 colors		65,536 colors	
Resolution	640 × 400 dots		640 × 480 dots	
Touch switch	Matrix		Analog	Matrix
Communication I/F	D-sub 25-pin: RS-232C/422 Terminal block: RS-422	D-sub 25-pin: RS-232C/422 D-sub 15-pin: RS-422	D-sub 9-pin: RS-232C/422 Modular jack 8-pin (2 ports): RS-232C/RS-422	
Power supply	85 to 265 VAC		100 to 240 VAC	

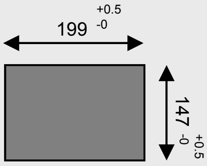
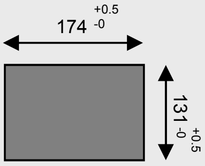
*1 Use a V8-specific cable as a PLC connection cable. When using the existing cable, use Hakko Electronics’ conversion cable “D9-D25”.
*2 When directly connecting with a Mitsubishi A/QnA/FX CPU, use “D9-MB-CPUQ”. When using the existing cable, use Hakko Electronics’ conversion cable “D9-D15”.
*3 To use a terminal block for connection, use Hakko Electronics’ optional terminal converter “TC-D9”.
*4 When using analog RGB output signals, install Hakko Electronics’ optional unit “GU-02”.
*5 When replaced with an analog switch model, two points on the screen cannot be pressed simultaneously. For two-point pressing, use a switch on the screen and a function switch.

- Recommended models for replacement of GD-80E series

	GD-80E series		Recommended models for replacement
	GD-80Exxx-x	GD-80ExxMx-x	V808C/V808CN
MONITOUCH			
Panel cut-out dimensions (mm)			 Use Hakko Electronics' mounting panel adaptor "PAD-V608-01".
Display device	EL / high-luminance EL		TFT color
Colors	2 colors		65,536 colors (By setting the display color to 128 colors, settings compatible with GD-80 are available.)
Resolution	640 × 400 dots		640 × 480 dots (The resolution of 640 × 400 is also available.)
Touch switch	Matrix		Analog
Communication I/F	D-sub 25-pin: RS-232C/422 Terminal block: RS-422	D-sub 25-pin: RS-232C/422 D-sub 15-pin: RS-422	D-sub 9-pin: RS-232C/422 Modular jack 8-pin (2 ports): RS-232C/RS-422
Power supply *4	85 to 265 VAC		24 VDC (power consumption: 30 W)

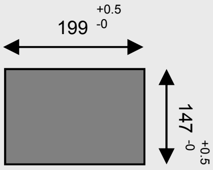
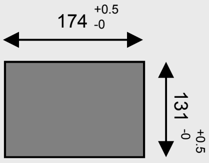
*1 Use a V8-specific cable as a PLC connection cable. When using the existing cable, use Hakko Electronics' conversion cable "D9-D25".
*2 When directly connecting with a Mitsubishi A/QnA/FX CPU, use "D9-MB-CPUQ". When using the existing cable, use Hakko Electronics' conversion cable "D9-D15".
*3 To use a terminal block for connection, use Hakko Electronics' optional terminal converter "TC-D9".
*4 When there is no DC power supply available in the existing system, use Hakko Electronics' optional unit "V808C-PW".
*5 Two points on the screen cannot be pressed simultaneously. For two-point pressing, use a switch on the screen and a function switch.

- Recommended models for replacement of GD-81S series

	GD-81S series	Recommended models for replacement
	GD-81SCx-x	V806CD/V806CDN
MONITOUCH		
Panel cut-out dimensions (mm)		 Use Hakko Electronics' mounting panel adaptor "PAD-V606".
Display device	STN color	STN color
Colors	16 colors	65,536 colors
Resolution	320 × 240 dots	320 × 240 dots
Touch switch	Matrix	Analog
Communication I/F	D-sub 25-pin: RS-232C/422	D-sub 9-pin: RS-232C/422 (with "DU-10" or "DUN-10" attached) Modular jack 8-pin (2 ports): RS-232C/RS-422
Power supply	24 VDC	24 VDC

*1 Use a V8-specific cable as a PLC connection cable. When using the existing cable and attaching "DU-10" or "DUN-10", use Hakko Electronics' conversion cable "D9-D25".
When not attaching "DU-10" nor "DUN-10" (except for connection with a Mitsubishi A series CPU), use Hakko Electronics'; conversion cable "MJ2-PLC". For connection with a Mitsubishi A series CPU, use "V706-ACPU".
*2 Two points on the screen cannot be pressed simultaneously. For two-point pressing, use a switch on the screen and a function switch.
*3 When using the D-sub 9-pin connector on the V806, use "DU-10" for V806CD and "DUN-10" for V806CDN.

- Recommended models for replacement of GD-81S series

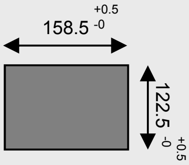
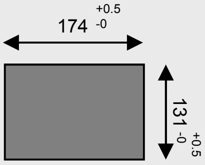
	GD-81S series			Recommended models for replacement
	GD-81SWx-x	GD-81SBx-x	GD-81SHx-x	V806MD/V806MDN
MONITOUCH				
Panel cut-out dimensions (mm)				 Use Hakko Electronics’ mounting panel adaptor “PAD-V606”.
Display device	STN monochrome			STN monochrome
Colors	8-level grayscale			16-level grayscale
Resolution	320 × 240 dots			320 × 240 dots
Touch switch	Matrix			Analog
Communication I/F	D-sub 25-pin: RS-232C/422			D-sub 9-pin: RS-232C/422 (with “DU-10” or “DUN-10” attached) Modular jack 8-pin (2 ports): RS-232C/RS-422
Power supply	24 VDC			24 VDC

*1 Use a V8-specific cable as a PLC connection cable. When using the existing cable and attaching “DU-10” or “DUN-10”, use Hakko Electronics’ conversion cable “D9-D25”. When not attaching “DU-10” nor “DUN-10” (except for connection with a Mitsubishi A series CPU), use Hakko Electronics’ conversion cable “MJ2-PLC”. For connection with a Mitsubishi A series CPU, use “V706-ACPU”.

*2 Two points on the screen cannot be pressed simultaneously. For two-point pressing, use a switch on the screen and a function switch.

*3 When using the D-sub 9-pin connector on the V806, use “DU-10” for V806MD and “DUN-10” for V806MDN.

- Recommended models for replacement of GD-80S series

	GD-80S series		Recommended models for replacement
	GD-80SEx-x	GD-80SLx-x	V806MD/V806MDN
MONITOUCH			
Panel cut-out dimensions (mm)			 For details on mounting, contact your local distributor.
Display device	EL	STN monochrome	STN monochrome
Colors	2 colors	2-level grayscale	16-level grayscale
Resolution	320 × 240 dots		320 × 240 dots
Touch switch	Matrix		Analog
Communication I/F	D-sub15-pin: RS-232C/422 D-sub 9-pin: RS-232C (for screen program transfer)		D-sub 9-pin: RS-232C/422 (with “DU-10” or “DUN-10” attached) Modular jack 8-pin (2 ports): RS-232C/RS-422
Power supply	24 VDC		24 VDC

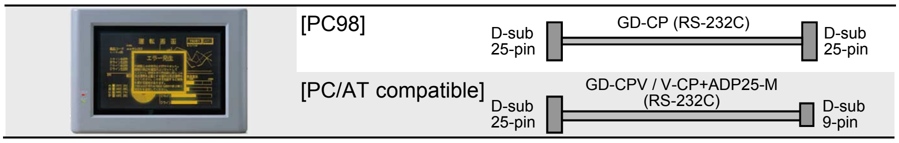
*1 Use a V8-specific cable as a PLC connection cable. The existing cable cannot be used.

*2 Two points on the screen cannot be pressed simultaneously. For two-point pressing, use a switch on the screen and a function switch.

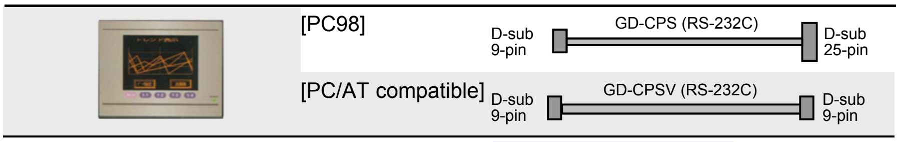
*3 When using the D-sub 9-pin connector on the V806, use “DU-10” for V806MD and “DUN-10” for V806MDN.

- Screen program transfer

- GD-80/GD-81S series


[PC98]
D-sub
25-pin
GD-CP (RS-232C)
D-sub
25-pin
[PC/AT compatible]
D-sub
25-pin
GD-CPV / V-CP+ADP25-M
(RS-232C)
D-sub
9-pin

- GD-80S series

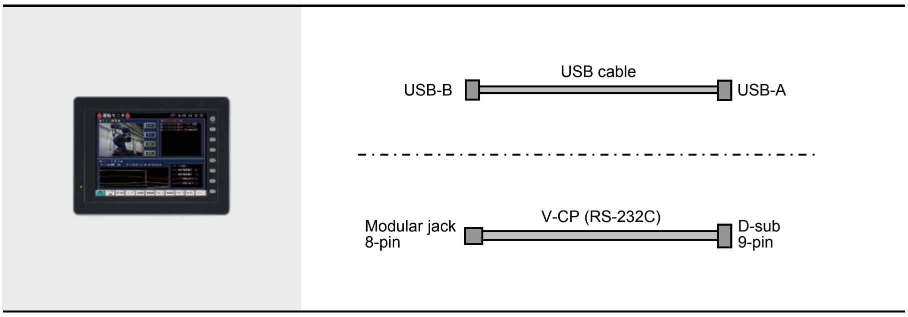

[PC98]
D-sub
9-pin
GD-CPS (RS-232C)
D-sub
25-pin
[PC/AT compatible]
D-sub
9-pin
GD-CPSV (RS-232C)
D-sub
9-pin

[Screen configuration software]

GD-SFT80
PC98 and PC/AT compatible computers supported

GD-SFT80W
Windows Ver. 3.1/95/98/NT supported

- V8 series


USB-B
USB cable
USB-A
Modular jack
8-pin
V-CP (RS-232C)
D-sub
9-pin

* Screen programs can also be transferred via Ethernet.

[Screen configuration software]

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) / 10 (32bit, 64bit)

V-SFT-6 (Ver. 6)
Windows XP / XP 64 Edition / Vista (32bit, 64bit) / 7 (32bit, 64bit) / 8 (32bit, 64bit) / 8.1 (32bit, 64bit) / 10 (32bit, 64bit)

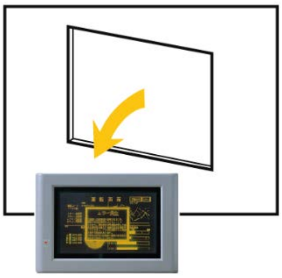
- Screen program conversion

The GD-80 series can be replaced with the V8 series by converting the GD-80 series screen program using V-SFT-5 or V-SFT-6 (V series screen configuration software).
However, note that 100% compatibility is not ensured and some functions may be limited or may not be available after replacement.
For details, refer to the V8 Series File Conversion Manual.

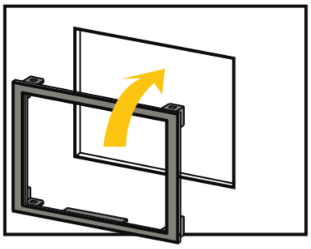
- Mounting panel adaptor (PAD-Vxxx)

A mounting panel adaptor is used when installing a new MONITOUCH model into the panel cut-out hole of the GD-80 series.

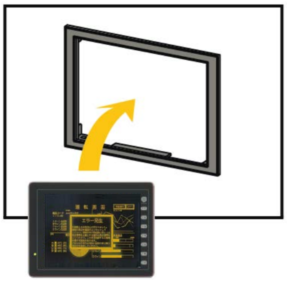
(1) Remove the GD-80 series unit from the panel.



(2) Install the mounting panel adaptor.



(3) Install a V8 series unit.



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* The indicated recommended model for replacement can be used with minimal restrictions. Please note that other models not described here can also be used; make a selection according to your system requirements.

Hakko Electronics Co., Ltd.

Overseas Sales Dept.
TEL: +81-76-274-2144 FAX: +81-76-274-5136
https://monitouch.fujielectric.com/