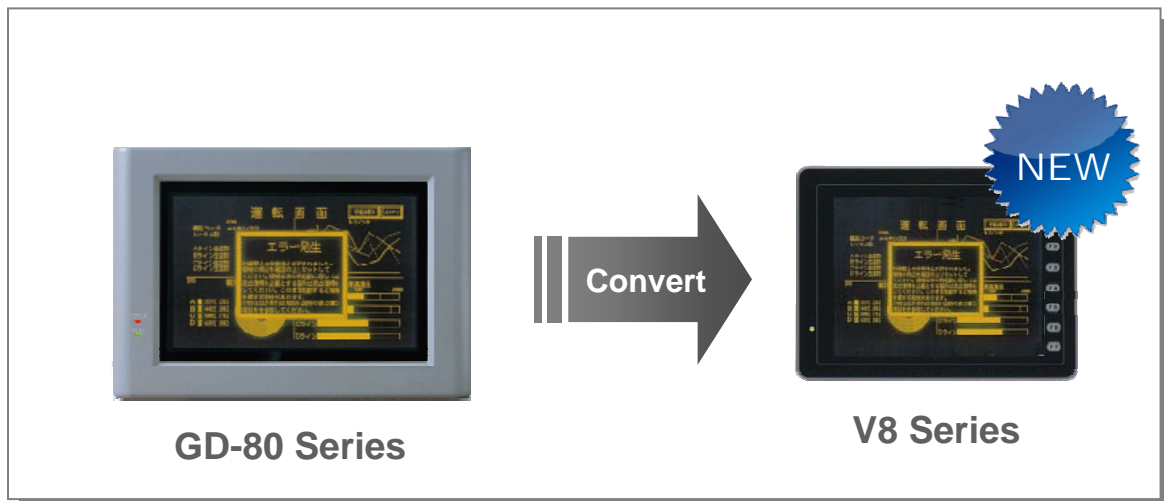



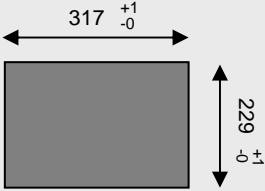



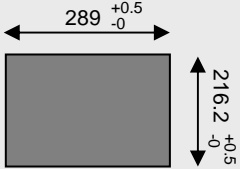
MONITOUCH

Replacement Guidance [GD-80 Series]



- GD-80T Series: Recommended Replacement Model

	GD-80T Series	
	GD-80T0x0x-x	GD-80T0xMx-x
		
Panel cutout size (mm)		
Display device	TFT color	
Display colors	16 colors/8 colors	
Resolution	640 x 400 dots	
Touch switch	Matrix	
Comm. I/F	D-Sub25-pin: RS-232C/422 Terminal block: RS-422	D-Sub25-pin: RS-232C/422 D-Sub15-pin: RS-422
Power supply	AC85 - 265V	


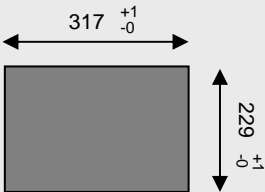
Recommended Replacement Model			
V810T	V810C	V810TM	V810CM
			
			
Panel cutout size is adjustable by using Panel Adapter "PAD-V610".			
TFT color			
65,536 colors			
640 x 480 dots			
Analog		Matrix	
D-Sub9-pin:		RS-232C/422	
MJ 8-pin (2 ports):		RS-232C/RS-422	
AC100 - 240V			


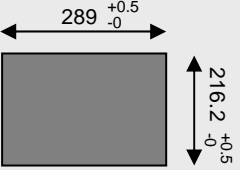
*1 Please have the dedicated communication cable for connecting PLC with V8 series. Conversion cable called "D9-D25" is available if you continue to use the existing cable.

*2 Please have the communication cable called "D9-MB-CPUQ" when connecting to the CPU port of Mitsubishi A/QnA/FX series with V8. Please have the conversion cable called "D9-D15" if you continue to use the existing cable.

*3 If you use the terminal block, please have our optional terminal converter unit called "TC-D9".

*4 If you replace the unit to the analog resistive switch typed V8, it is not possible to push the two positions on the touch switch at the same time. However, it is possible to push the touch switch and the function switch at the same time.

	GD-80T Series	
	GD-80TAx0x-x	GD-80TAxMx-x
		
Panel cutout size (mm)		
Display device	TFT color	
Display colors	16 colors/8 colors	
Resolution	640 x 400 dots	
Touch switch	Matrix	
Comm. I/F	D-Sub25-pin: RS-232C/422 Terminal block: RS-422	D-Sub25-pin: RS-232C/422 D-Sub15-pin: RS-422
Power supply	AC85 - 265V	

Recommended Replacement Models	
V810iT	V810iTM
	
	
Panel cutout size is adjustable by using Panel Adapter "PAD-V610".	
TFT color	
65,536 colors	
640 x 480 dots	
Analog	Matrix
D-Sub9-pin:	RS-232C/422
MJ 8-pin(2 ports):	RS-232C/RS-422
AC100 - 240V	

*1 Please have the dedicated communication cable for connecting PLC with V8 series. Conversion cable called "D9-D25" is available if you continue to use the existing cable.


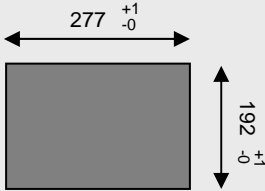
*2 Please have the communication cable called "D9-MB-CPUQ" when connecting to the CPU port of Mitsubishi A/QnA/FX series with V8. Please have the conversion cable called "D9-D15" if you continue to use the existing cable.


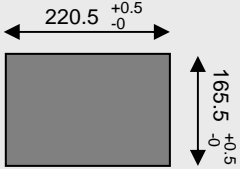
*3 If you use the terminal block, please have our optional terminal converter unit called "TC-D9".

*4 If you use the analog RGB output, please have our optional unit called "GU-02".

*5 If you replace the unit to the analog resistive switch typed V8, it is not possible to push the two positions on the touch switch at the same time. However it is possible to push the touch switch and the function switch at the same time.

- GD-80E Series: Recommended Replacement Model

	GD-80E Series	
	GD-80Exxx-x	GD-80ExxMx-x
		
Panel cutout size (mm)		
Display device	EL/High intensity EL	
Display color	2 colors	
Resolution	640 x 400 dots	
Touch switch	Matrix	
Comm. I/F	D-Sub25-pin: RS-232C/422 Terminal block: RS-422	D-Sub25-pin: RS-232C/422 D-Sub15-pin: RS-422
Power supply *4	AC85 - 265V	

Recommended Replacement Model	
V808C	
	
Panel cutout size (mm)	
Panel cutout size is adjustable by using Panel Adapter "PAD-V608-01".	
TFT color	
65,536 colors	GD-80E Compatibility Setting becomes available by setting the display color to 128 colors.
640 x 480 dots	
Analog	
D-Sub-9pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-422	
DC24V (Power consumption: 30W)	

*1 Please have the dedicated communication cable for connecting PLC with V8 series. Conversion cable called "D9-D25" is available if you continue to use the existing cable.


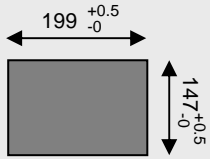
*2 Please have the communication cable called "D9-MB-CPUQ" when connecting to the CPU port of Mitsubishi A/QnA/FX series with V8. Please have the conversion cable called "D9-D15" if you continue to use the existing cable.


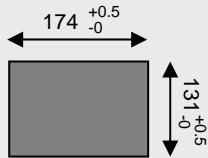
*3 If you use the terminal block, please have our optional terminal converter unit called "TC-D9".

*4 If it is unable to prepare the DC power, please have our optional unit called "V808C-PW".

*5 It is not possible to push the two positions on the touch switch at the same time. However, it is possible to push the touch switch and the function switch at the same time.

- GD-81S Series: Recommended Replacement Model


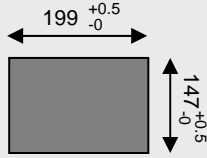
	GD-81S Series	
	GD-81SCx-x	
		
Panel cutout size (mm)		
Display device	STN color	
Display color	16 colors	
Resolution	320 x 240 dots	
Touch switch	Matrix	
Comm. I/F	D-Sub25-pin: RS-232C/422	
Power supply	DC24V	


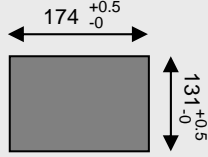
Recommended Replacement Model	
V806CD	
	
Panel cutout size (mm)	
Panel cutout size is adjustable by using Panel Adapter "PAD-V606".	
STN color	
65,536 colors	
320 x 240 dots	
Analog	
D-Sub9-pin: RS-232C/422 (When using the optional unit DU-10.) MJ 8-pin (2 ports): RS-232C/RS-422	
DC24V	

*1 Please have the dedicated communication cable for connecting PLC with V8 series. If you use the optional unit called DU-10 and wish to continue using the existing cable, please have our optional conversion cable called "D9-D25". If you do not use DU-10, please have our conversion cable "MJ2-PLC" (except when connecting to Mitsubishi A series CPU). When connecting to Mitsubishi A series CPU, please have our cable called "V706-ACPU".

*2 It is not possible to push the two positions on the touch switch at the same time. However, it is possible to push the touch switch and the function switch at the same time.

- GD-81S Series: Recommended Replacement Model


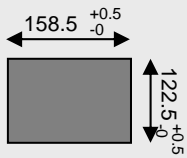
	GD-81S Series		
	GD-81SWx-x	GD-81SBx-x	GD-81SHx-x
			
Panel cutout size (mm)			
Display device	STN monochrome		
Display colors	8 grayscale		
Resolution	320 x 240 dots		
Touch switch	Matrix		
Comm. I/F	D-Sub-25pin: RS-232C/422		
Power supply	DC24V		

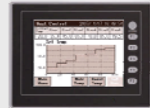
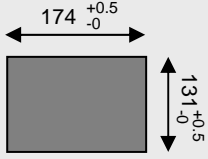
Recommended Replacement Model	
V806MD	
	
	
Panel cutout size is adjustable by using Panel Adapter "PAD-V606".	
STN monochrome	
16 grayscale	
320 x 240 dots	
Analog	
D-Sub9-pin:	RS-232C/422 (When using the optional unit DU-10.)
MJ 8-pin (2 ports):	RS-232C/RS-422
DC24V	

*1 Please have the dedicated communication cable for connecting PLC with V8 series. If you use the optional unit called DU-10 and wish to continue using the existing cable, please have our optional conversion cable called "D9-D25". If you do not use DU-10, please have our conversion cable "MJ2-PLC" (except when connecting to Mitsubishi A series CPU). When connecting to Mitsubishi A series CPU, please have our cable called "V706-ACPU".

*2 It is not possible to push the two positions on the touch switch at the same time. However, it is possible to push the touch switch and the function switch at the same time.

- GD-80S Series: Recommended Replacement Model

	GD-80S Series	
	GD-80SEx-x	GD-80SLx-x
		
Panel cutout size (mm)		
Display device	EL	STN monochrome
Display color	2 colors	2 grayscale
Resolution	320 x 240 dots	
Touch switch	Matrix	
Comm. I/F	D-Sub15-pin: RS-232C/422 D-Sub9-pin: RS-232C (For screen program transfer)	
Power supply	DC24V	

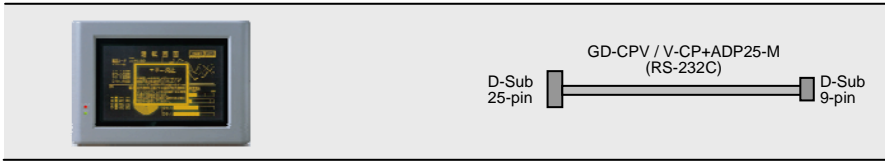
Recommended Replacement Model	
V806MD	
	
	
Please contact our sales representative for mounting.	
STN monochrome	
16 grayscale	
320 x 240 dots	
Analog	
D-Sub9-pin:	RS-232C/422 (When using the optional unit DU-10.)
MJ 8-pin (2 ports):	RS-232C/RS-422
DC24V	

*1 Please have the dedicated communication cable for connecting PLC with V8 series.

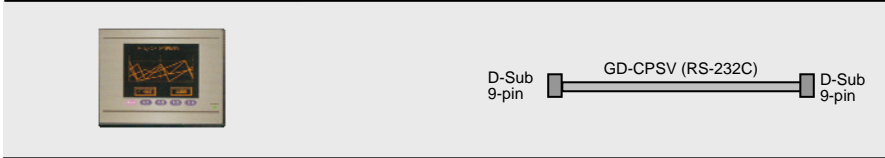
*2 It is not possible to push the two positions on the touch switch at the same time. However, it is possible to push the touch switch and the function switch at the same time.

- Screen Program Transfer

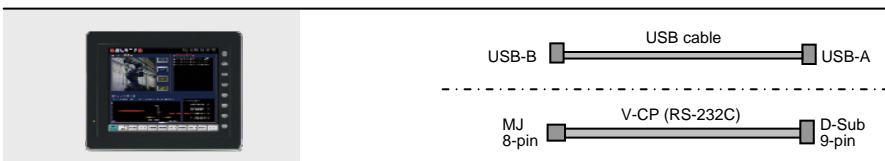
- For GD-80/GD-81S Series



- For GD-80S Series



- For V8 Series



*Screen program can be also downloaded via Ethernet.

[Configuration Software]

GD-SFT80W

For Windows Ver.3.1/95/98/NT

[Configuration Software]

V-SFT-5

For Windows98SE/NT4.0/Me/2000/XP/XP
64Edition/Vista 32bit/Win 7 32bit

- Screen Program Conversion

If you have the screen program of GD-80 series unit, it is possible to convert the program from GD-80 series to V8 series using V-SFT-5 (configuration software for V series).

However, it may not be possible to keep the screen program 100% compatible. The program may be somewhat limiting, or some of the functions may not be converted to meet the specifications of the new model.

Please refer to the file conversion manuals for details.

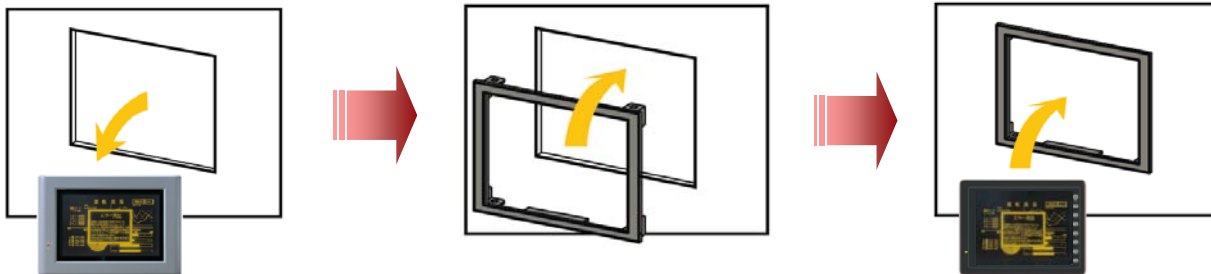
- For converting from GD-80 series to V6 series, please refer to "About File Conversion" Manual.
- For converting from V6 series to V7 series, please refer to "Conversion from V6 to V7" Manual.
- For converting from V7 series to V8 series, please refer to "V8 Series File Conversion" Manual.

Please download from: <http://www.hakko-elec.co.jp/en/download/01manu/index.php>

- Panel Adapter (PAD-Vxxx)

Use Panel Adapter to adjust the GD-80 series' panel cutout size before mounting V8 series unit.

- 1) Dismount GD-80 series unit from the panel.
- 2) Attach Panel Adapter (PAD-Vxxx).
- 3) Mount V8 series unit.



* The replacement models recommended in this guidance are the models that have less limitations in the conversion. It is also possible to replace into the model, which is not recommended in this guidance. Please select the model for replacement in accordance with your own system.