Replacement Guidance

[V4 Series]

V4 Series → **Convert** → **V8 Series** **NEW**
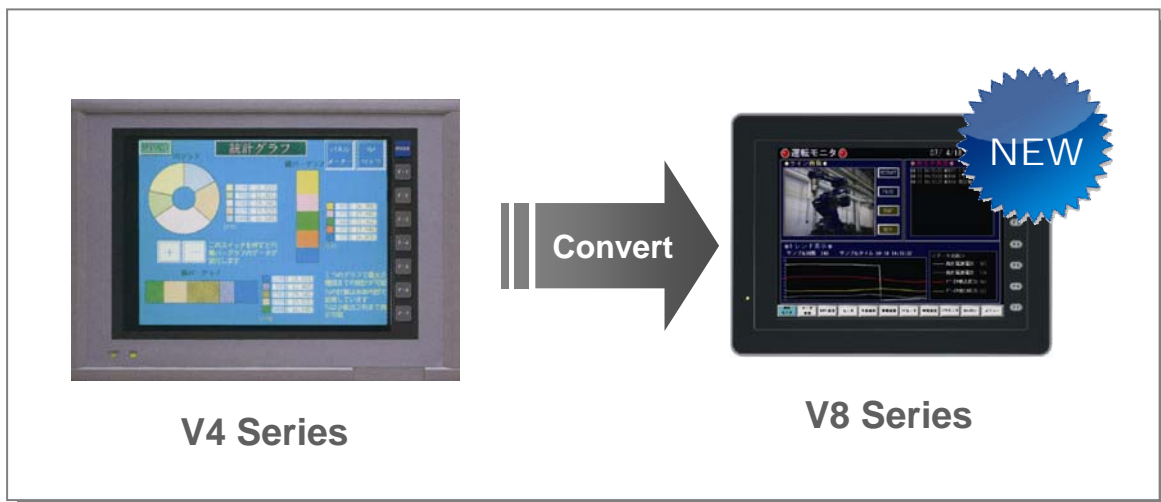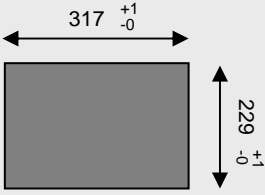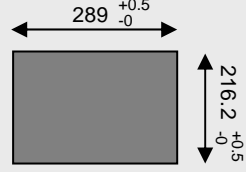
- V4T Series: Recommended Replacement Model

	V4T Series		Recommended Replacement Model			
	V4T0x0x-x	V4T1x0x-x	V810T	V810C	V810TM	V810CM
Panel cutout size (mm)	317 $^{+1}_{-0}$ 229 $^{+1}_{-0}$		289 $^{+0.5}_{-0}$ 216.2 $^{+0.5}_{-0}$ Panel cutout size is adjustable by using Panel Adapter "PAD-V610".			
Display device	TFT color		TFT color			
Display colors	16 colors	8 colors	65,536 colors			
Resolution	640 x 480 dots		640 x 480 dots			
Touch switch	Matrix		Analog		Matrix	
Comm. I/F	D-Sub25-pin: RS-232C/422 Terminal block: RS-422		D-Sub9-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-422			
Power supply	AC85 - 265V		AC100 - 240V			

*1 Please have the dedicated communication cable for connecting PLC with V8 series. Conversion cable called "D9-D25" is available if you wish to continue using the existing cable.
*2 If you use the terminal block, please have our optional terminal converter unit called "TC-D9".
*3 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.

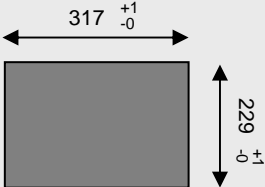|	V4T Series	Recommended Replacement Model	
	V4T2x0x-x	V810iT	V810iTM
Panel cutout size (mm)	317 $^{+1}_{-0}$ 229 $^{+1}_{-0}$	289 $^{+0.5}_{-0}$ 216.2 $^{+0.5}_{-0}$ Panel cutout size is adjustable by using Panel Adapter "PAD-V610".	
Display device	TFT color	TFT color	
Display colors	16 colors	65,536 colors	
Resolution	640 x 480 dots	640 x 480 dots	
Touch switch	Matrix	Analog	Matrix
Comm. I/F	D-Sub25-pin: RS-232C/422 Terminal block: RS-422	D-Sub9-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-422	
Power supply	AC85 - 265V	AC100 - 240V	

*1 Please have the dedicated communication cable for connecting PLC with V8 series. Conversion cable called "D9-D25" is available if you wish to continue using the existing cable.
*2 If you use the terminal block, please have our optional terminal converter unit called "TC-D9".
*3 If you use the analog RGB output, please have our optional unit called "GU-02".
*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.
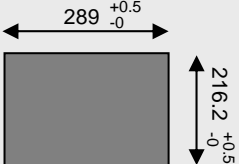
- V4C Series: Recommended Replacement Model

V4C Series		Recommended Replacement Model	
V4C0x0x-x	V4C1x0x-x	V810C	V810CM
Panel cutout size (mm)	317 +1 -0 / 229 +1 -0	289 +0.5 -0 / 216.2 +0.5 -0 Panel cutout size is adjustable by using Panel Adapter "PAD-V610".	
Display device	STN color	TFT color	
Display colors	16 colors	8 colors	65,536 colors	
Resolution	640 x 480 dots	640 x 480 dots	
Touch switch	Matrix	Analog	Matrix
Comm. I/F	D-Sub25-pin: RS-232C/422 Terminal block: RS-422	D-Sub9-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-422	
Power supply	AC85 - 265V	AC100 - 240V	

*1 Please have the dedicated communication cable for connecting PLC with V8 series. Conversion cable called "D9-D25" is available if you wish to continue using the existing cable.
*2 If you use the terminal block, please have our optional terminal converter unit called "TC-D9".
*3 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.
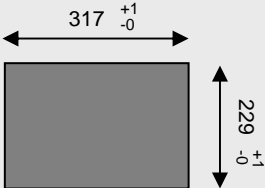
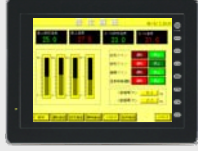## - V4W/B/H Series: Recommended Replacement Model

V4W/B/H Series			Recommended Replacement Model	
V4W1x0x-x	V4B1x0x-x	V4H1x0x-x	V810C	V810CM
Panel cutout size (mm)	317 +1 -0 / 229 +1 -0		289 +0.5 -0 / 216.2 +0.5 -0 Panel cutout size is adjustable by using Panel Adapter "PAD-V610".	
Display device	STN monochrome		TFT color	
Display color	8 grayscale		65,536 colors	
Resolution	640 x 480 dots		640 x 480 dots	
Touch switch	Matrix		Analog	Matrix
Comm. I/F	D-Sub25-pin: RS-232C/422 Terminal block: RS-422		D-Sub9-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-422	
Power supply	AC85 - 265V		AC100 - 240V	

*1 Please have the dedicated communication cable for connecting PLC with V8 series. Conversion cable called "D9-D25" is available if you wish to continue using the existing cable.
*2 If you use the terminal block, please have our optional terminal converter unit called "TC-D9".
*3 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.
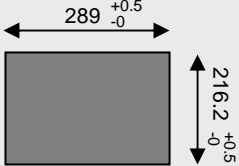
- V4SC Series: Recommended Replacement Model

V4SC Series	Recommended Replacement Model
V4SC0x0x-x	V806CD
Panel cutout size (mm) 199 +0.5/-0 147 +0.5/-0	174 +0.5/-0 131 +0.5/-0 Panel cutout size is adjustable by using Panel Adapter "PAD-V606".
Display device	STN color
STN color	
Display colors	65,536 colors
16 colors	
Resolution	320 x 240 dots
320 x 240 dots	
Touch switch	Analog
Matrix	
Comm. I/F	D-Sub9-pin: RS-232C/422 (When using optional unit DU-10.) MJ 8-pin (2 ports): RS-232C/RS-422
D-Sub25-pin: RS-232C/422	
Power supply	DC24V
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.

- V4SW/SB Series: Recommended Replacement Model

V4SW/SB Series		Recommended Replacement Model
V4SW1x0x-x	V4SB1x0x-x	V806MD
Panel cutout size (mm) 199 +0.5/-0 147 +0.5/-0		174 +0.5/-0 131 +0.5/-0 Panel cutout size is adjustable by using Panel Adapter "PAD-V606".
Display device		STN monochrome
STN monochrome		
Display colors		16 grayscale
8 grayscale		
Resolution		320 x 240 dots
320 x 240 dots		
Touch switch		Analog
Matrix		
Comm. I/F		D-Sub9-pin: RS-232C/422 (When using optional unit DU-10.) MJ 8-pin (2 ports): RS-232C/RS-422
D-Sub25-pin: RS-232C/422		
Power supply		DC24V
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.
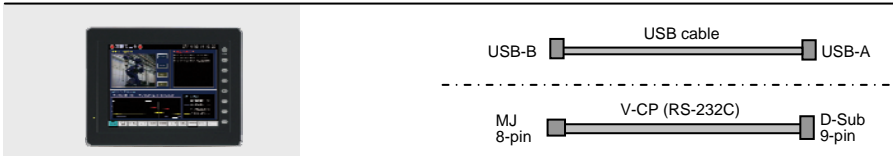
- Screen Program Transfer

- For V4 Series

D-Sub 25-pin — GD-CPV / V-CP+ADP25-M (RS-232C) — D-Sub 9-pin
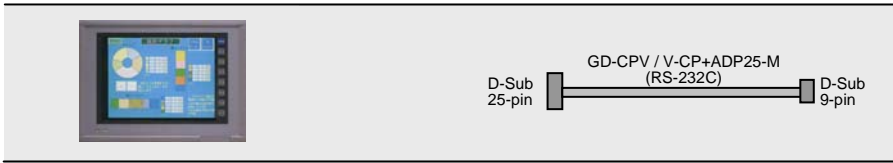
[Configuration Software]

V-SFT

For Windows95/98/NT

- For V8 Series

USB-B — USB cable — USB-A

MJ 8-pin — V-CP (RS-232C) — D-Sub 9-pin

[Configuration Software]

V-SFT-5

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

*Screen program can be also downloaded via Ethernet.

- Screen Program Conversion

If you have the screen program of V4 series unit, it is possible to convert the program from V4 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 V4 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 V4 series' panel cutout size before mounting V8 series unit.

1) Dismount V4 series unit from the panel. 2) Attach Panel Adapter (PAD-Vxxx). 3) Mount V8 series unit.
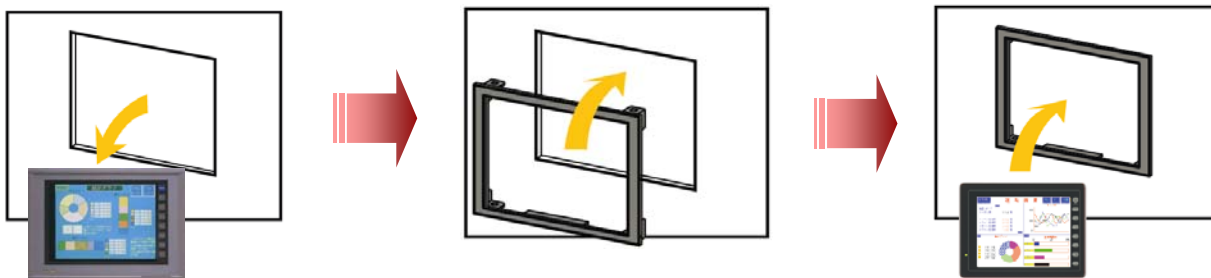
* The replacement models recommended in this guidance are the models that have less limitations in the conversion. It is also possible to replace into the model, which is not recommended in this guidance. Please select the model for replacement in accordance with your own system.