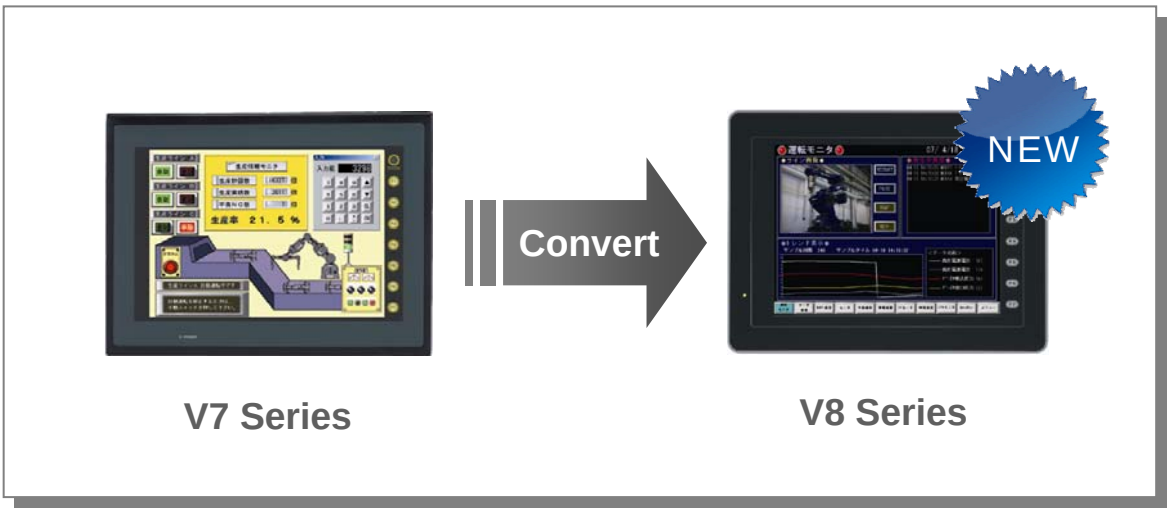
MONITOUCH

Replacement Guidance

[V7 Series]



- List of V7 Series Models

Following is a list of models in V7 series.
Please check the model of V7 series unit in use and then refer to the recommended replacement model described in this manual.

V715 X□

- None: AC100-240V
- D: DC24V
- X: TFT color LCD XGA

V712□□□□

- None: AC100-240V
- D: DC24V
- None: Analog resistive switch
- M: Matrix resistive switch
- S: TFT color LCD SVGA
- i: High-functional (with Ethernet port)
- None: Standard

V710□□□□

* Matrix type is not available in V710S series.

- None: AC100-240V
- D: DC24V
- None: Analog resistive switch
- M: Matrix resistive switch
- T: TFT color LCD VGA
- C: 129 colors TFT color LCD VGA
- S: TFT color LCD SVGA
- i: High-functional (with Ethernet port)
- None: Standard

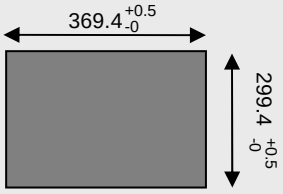
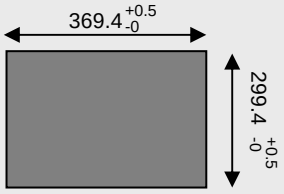
V708□□D

- D: DC24V
- S: TFT color LCD SVGA
- C: STN color LCD VGA
- i: High-functional (with Ethernet port)
- None: Standard

V706□□D

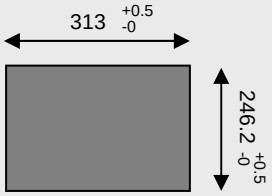
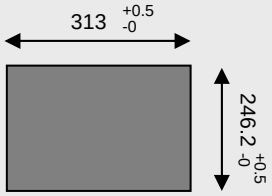
- D: DC24V
- None: Analog resistive switch
- M: Matrix resistive switch
- T: TFT color LCD QVGA
- C: STN color LCD QVGA
- M: STN monochrome LCD QVGA

- V715 Series: Recommended Replacement Model

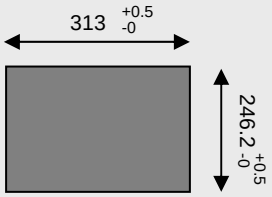
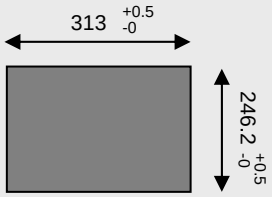
	V715 Series		Recommended Replacement Model	
	V715X	V715XD	V815iX	V815iXD
Panel cutout size (mm)				
Display device	TFT color		TFT color	
Display colors	32,768 colors		65,536 colors	
Resolution	1024 x 768 dots		1024 x 768 dots	
Touch switch	Analog		Analog	
Comm. I/F	D-Sub 25-pin: RS-232C/422 MJ 8-pin (2-port): RS-232C/RS-485		D-Sub 9-pin: RS-232C/422 MJ 8-pin (2-port): RS-232C/RS-485	
Power supply	AC100 - 240V	DC24V	AC100 - 240V	DC24V

*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 our optional unit “TC485”, please have our optional terminal converter unit called “TC-D9”.

- V712 Series: Recommended Replacement Model (1)

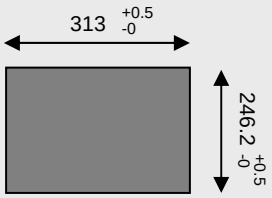
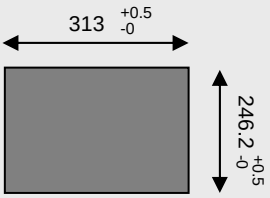
	V712 Series		Recommended Replacement Model	
	V712S	V712SM	V812S	V812SM
Panel cutout size (mm)	 313 +0.5 -0, 246.2 +0.5 -0		 313 +0.5 -0, 246.2 +0.5 -0	
Display device	TFT color		TFT color	
Display colors	32,768 colors		65,536 colors	
Resolution	800 x 600 dots		800 x 600 dots	
Touch switch	Analog	Matrix	Analog	Matrix
Comm. I/F	D-Sub 25-pin: RS-232C/422 MJ 8-pin (2-port): RS-232C/RS-485		D-Sub 9-pin: RS-232C/422 MJ 8-pin (2-port): RS-232C/RS-485	
Power supply	AC100 - 240V		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 our optional unit “TC485”, 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.

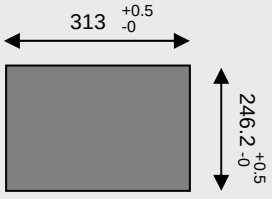
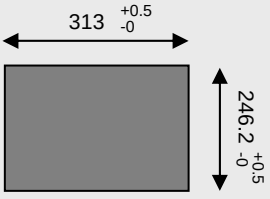
	V712 Series		Recommended Replacement Model	
	V712SD	V712SMD	V812SD	V812SMD
Panel cutout size (mm)	 313 +0.5 -0, 246.2 +0.5 -0		 313 +0.5 -0, 246.2 +0.5 -0	
Display device	TFT color		TFT color	
Display colors	32,768 colors		65,536 colors	
Resolution	800 x 600 dots		800 x 600 dots	
Touch switch	Analog	Matrix	Analog	Matrix
Comm. I/F	D-Sub 25-pin: RS-232C/422 MJ 8-pin (2-port): RS-232C/RS-485		D-Sub 9-pin: RS-232C/422 MJ 8-pin (2-port): RS-232C/RS-485	
Power supply	DC24V		DC24V	

*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 our optional unit called “TC485”, 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.

- V712 Series : Recommended Replacement Model (2)

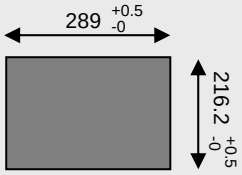
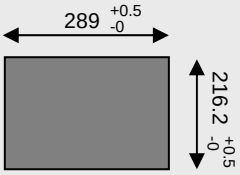
	V712 Series		Recommended Replacement Model	
	V712iS	V712iSM	V812iS	V812iSM
Panel cutout size (mm)	 313 +0.5 -0, 246.2 +0.5 -0		 313 +0.5 -0, 246.2 +0.5 -0	
Display device	TFT color		TFT color	
Display colors	32,768 colors		65,536 colors	
Resolution	800 x 600 dots		800 x 600 dots	
Touch switch	Analog	Matrix	Analog	Matrix
Comm. I/F	D-Sub 25-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485		D-Sub 9-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485	
Power supply	AC100 - 240V		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 our optional unit “TC485”, please have our optional terminal converter unit called “TC-D9”.
*3 If you use our optional unit “EU-xx”, please have our optional unit “GU-xx” instead.
*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.

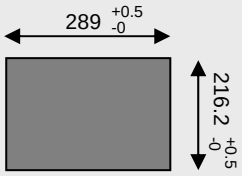
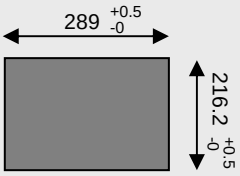
	V712 Series		Recommended Replacement Model	
	V712iSD	V712iSMD	V812iSD	V812iSMD
Panel cutout size (mm)	 313 +0.5 -0, 246.2 +0.5 -0		 313 +0.5 -0, 246.2 +0.5 -0	
Display device	TFT color		TFT color	
Display colors	32,768 colors		65,536 colors	
Resolution	800 x 600 dots		800 x 600 dots	
Touch switch	Analog	Matrix	Analog	Matrix
Comm. I/F	D-Sub 25-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485		D-Sub 9-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485	
Power supply	DC24V		DC24V	

*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 our optional unit “TC-485”, please have our optional terminal converter unit called “TC-D9”.
*3 If you use our optional unit “EU-xx”, please have optional unit “GU-xx” instead.
*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.

- V710 Series: Recommended Replacement Model (1)

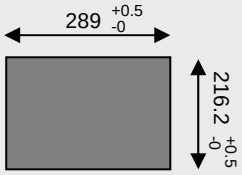
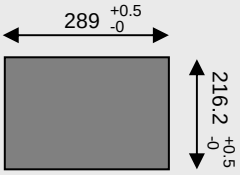
	V710S Series		Recommended Replacement Model	
	V710S	V710SD	V810S	V810SD
Panel cutout size (mm)	 289 +0.5 -0, 216.2 +0.5 -0		 289 +0.5 -0, 216.2 +0.5 -0	
Display device	TFT color		TFT color	
Display colors	32,768 colors		65,536 colors	
Resolution	800 x 600 dots		800 x 600 dots	
Touch switch	Analog		Analog	
Comm. I/F	D-Sub 25-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485		D-Sub 9-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485	
Power supply	AC100 - 240V	DC24V	AC100 - 240V	DC24V

*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 our optional unit “TC485”, 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 not possible to push the touch switch and the function switch at the same time

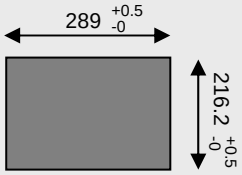
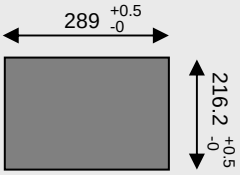
	V710S Series		Recommended Replacement Model	
	V710iS	V710iSD	V810iS	V810iSD
Panel cutout size (mm)	 289 +0.5 -0, 216.2 +0.5 -0		 289 +0.5 -0, 216.2 +0.5 -0	
Display device	TFT color		TFT color	
Display colors	32,768 colors		65,536 colors	
Resolution	800 x 600 dots		800 x 600 dots	
Touch switch	Analog		Analog	
Comm. I/F	D-Sub 25-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485		D-Sub 9-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485	
Power supply	AC100 - 240V	DC24V	AC100 - 240V	DC24V

*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 our optional unit “TC485”, please have our optional terminal converter unit called “TC-D9”.
*3 If you use our optional unit “EU-xx”, please have our optional unit “GU-xx” instead.
*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.

- V710 Series: Recommended Replacement Model (2)

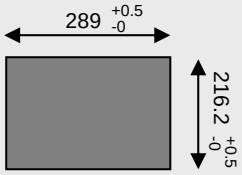
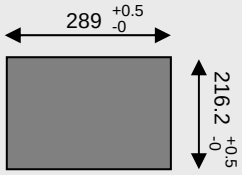
	V710T/V710C Series				Recommended Replacement Model			
	V710T	V710TM	V710C	V710CM	V810T	V810TM	V810C *4	V810CM *4
Panel cutout size (mm)	 289 +0.5 -0, 216.2 +0.5 -0				 289 +0.5 -0, 216.2 +0.5 -0			
Display device	TFT color				TFT color			
Display colors	32,768 colors		128 colors		65,536 colors			
Resolution	640 x 480 dots				640 x 480 dots			
Touch switch	Analog	Matrix	Analog	Matrix	Analog	Matrix	Analog	Matrix
Comm. I/F	D-Sub 25-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485				D-Sub 9-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485			
Power supply	AC100 - 240V				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 our optional unit “TC485”, 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.
*4 If you use our optional FROM cassette “V7EM-F”/”V7-EM-L” or SRAM cassette “V7EM-S” dedicated for V7 series, please select V810iC or V810iCM as a replacement unit.

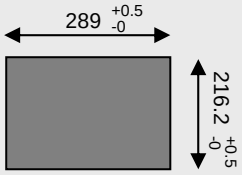
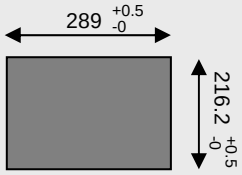
	V710T/V710C Series				Recommended Replacement Model			
	V710TD	V710TMD	V710CD	V710CMD	V810TD	V810TMD	V810CD *4	V810CMD *4
Panel cutout size (mm)	 289 +0.5 -0, 216.2 +0.5 -0				 289 +0.5 -0, 216.2 +0.5 -0			
Display device	TFT color				TFT color			
Display colors	32,768 colors		128 colors		65,536 colors			
Resolution	640 x 480 dots				640 x 480 dots			
Touch switch	Analog	Matrix	Analog	Matrix	Analog	Matrix	Analog	Matrix
Comm. I/F	D-Sub 25-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485				D-Sub 9-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485			
Power supply	DC24V				DC24V			

*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 our optional unit “TC485”, 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
*4 If you use our optional FROM cassette “V7EM-F”/”V7EM-L” or SRAM cassette “V7EM-S” dedicated for V7 series, please select V810iCD or V810iCMD as a replacement unit.

- V710 Series: Recommended Replacement Model (3)

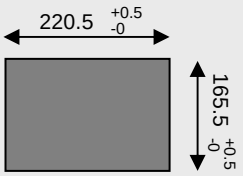
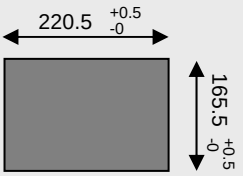
	V710T Series		Recommended Replacement Model			
	V710iT	V710iTM	V810iT	V810iTM	V810iC	V810iCM
Panel cutout size (mm)						
Display device	TFT color		TFT color			
Display colors	32,768 colors		65,536 colors			
Resolution	640 x 480 dots		640 x 480 dots			
Touch switch	Analog	Matrix	Analog	Matrix	Analog	Matrix
Comm. I/F	D-Sub 25-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485		D-Sub 9-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485			
Power supply	AC100 - 240V		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 our optional unit “TC485”, please have our optional terminal converter unit called “TC-D9”.
*3 If you use our optional unit “EU-xx”, please have our optional unit “GU-xx” instead. (Compatible only with V810iT and V810iTM.)
*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.

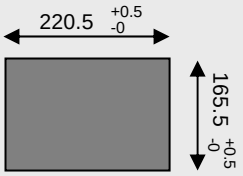
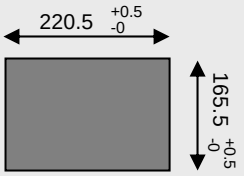
	V710T Series		Recommended Replacement Model			
	V710iTD	V710iTMD	V810iTD	V810iTMD	V810iCD	V810iCMD
Panel cutout size (mm)						
Display device	TFT color		TFT color			
Display colors	32,768 colors		65,536 colors			
Resolution	640 x 480 dots		640 x 480 dots			
Touch switch	Analog	Matrix	Analog	Matrix	Analog	Matrix
Comm. I/F	D-Sub 25-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485		D-Sub 9-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485			
Power supply	DC24V		DC24V			

*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 our optional unit “TC485”, please have our optional terminal converter unit called “TC-D9.”
*3 If you use our optional unit “EU-xx”, please have our optional unit “GU-xx” instead. (Compatible only with V810iTD and V810iTMD.)
*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.

- V708 Series: Recommended Replacement Model (1)

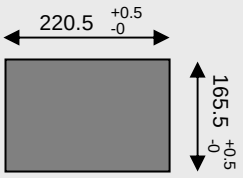
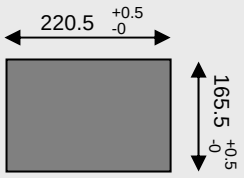
	V708S Series	Recommended Replacement Model
	V708SD	V808SD
Panel cutout size (mm)		
Display device	TFT color	TFT color
Display colors	32,768 colors	65,536 colors
Resolution	800 x 600 dots	800 x 600 dots
Touch switch	Analog	Analog
Comm. I/F	D-Sub 25-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485	D-Sub 9-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485
Power supply	DC24V	DC24V

*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 our optional unit “TC485”, please have our optional terminal converter called “TC-D9”.

	V708S Series	Recommended Replacement Model
	V708iSD	V808iSD
Panel cutout size (mm)		
Display device	TFT color	TFT color
Display colors	32,768 colors	65,536 colors
Resolution	800 x 600 dots	800 x 600 dots
Touch switch	Analog	Analog
Comm. I/F	D-Sub 25-pin: RS-232C/422 MJ 8pin (2 ports): RS-232C/RS-485	D-Sub 9-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485
Power supply	DC24V	DC24V

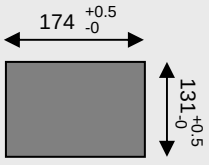
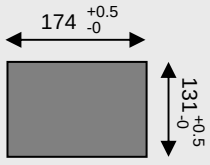
*1 Please have the dedicated communication cable for connecting PLC with V8 series. Conversion cable called “D9-D25” is available if you wish to continue using the existing cable.
*2 If you use our optional unit “TC485”, please have our optional terminal converter unit called “TC-D9”.
*3 If you use our optional unit “EU-xx”, please have our optional unit “GU-xx” instead.

- V708 Series: Recommended Replacement Model (2)

	V708C Series	Recommended Replacement Model
	V708CD	V808CD
Panel cutout size (mm)		
Display device	STN color	TFT color
Display colors	128 colors	65,536 colors
Resolution	640 x 480 dots	640 x 480 dots
Touch switch	Analog	Analog
Comm. I/F	D-Sub 25-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485	D-Sub 9-pin: RS-232C/422 MJ 8-pin (2 ports): RS-232C/RS-485
Power supply	DC24V	DC24V

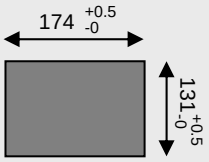
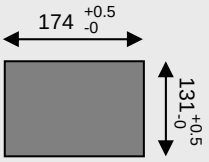
*1 Please have the dedicated communication cable for connecting PLC with V8 series. Conversion cable called “D9-D25” is available if you wish to continue using the existing cable.
*2 If you use our optional unit “TC485”, please have our optional terminal converter unit called “TC-D9”.

- V706 Series: Recommended Replacement Model (1)

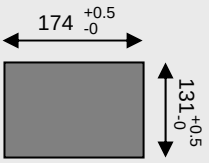
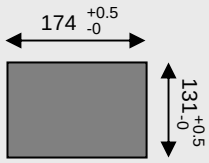
	V706T Series		Recommended Replacement Model
	V706TD	V706TMD	V806TD
Panel cutout size (mm)			
Display device	TFT color		TFT color
Display colors	32,768 colors		65,536 colors
Resolution	320 x 240 dots		320 x 240 dots
Touch switch	Analog	Matrix	Analog
Comm. I/F	D-Sub 25-pin:RS-232C/422/485(when using optional unit DU-10) MJ 8-pin (2 ports):RS-232C/422/485 *3		D-Sub 9-pin:RS-232C/422/485 (when using optional unit DU-10) MJ 8-pin (2 ports):RS-232C/422/485 *3
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).
*2 It is not possible to push the two positions on the touch switch at the same time with V806TD. However, it is possible to push the touch switch and the function switch at the same time.
*3 RS-422 (4-wire) communication is available via MJ2.

- V706 Series: Recommended Replacement Model (2)

	V706C Series		Recommended Replacement Model
	V706CD	V706CMD	V806CD
Panel cutout size (mm)			
Display device	STN color		STN color
Display colors	32,768 colors		65,536 colors
Resolution	320 x 240 dots		320 x 240 dots
Touch switch	Analog	Matrix	Analog
Comm. I/F	D-Sub 25-pin:RS-232C/422/485(when using optional unit DU-10) MJ 8-pin (2 ports):RS-232C/422/485 *3		D-Sub 9-pin:RS-232C/422/485(when using optional unit DU-10) MJ 8-pin (2 ports):RS-232C/422/485 *3
Power supply	DC24V		DC24V

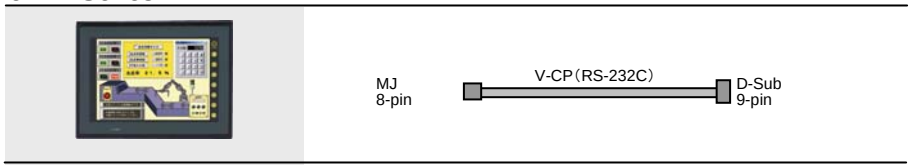
*1 Please have the dedicated communication cable for connecting PLC with V8 series.
If you use the optional unit called DU-10 and wish to continue using the existing cable, please have our optional conversion cable called “D9-D25”. If you do not use DU-10, please have our conversion cable “MJ2-PLC” (except when connecting to Mitsubishi A series CPU).
*2 It is not possible to push the two positions on the touch switch at the same time with V806CD. However, it is possible to push the touch switch and the function switch at the same time.
*3 RS-422 (4-wire) communication is available via MJ2.

	V706M Series		Recommended Replacement Model
	V706MD	V706MMD	V806MD
Panel cutout size (mm)			
Display device	STN monochrome		STN monochrome
Display colors	8 grayscale		16 grayscale
Resolution	320 x 240 dots		320 x 240 dots
Touch switch	Analog	Matrix	Analog
Comm. I/F	D-Sub 25-pin:RS-232C/422/485(when using optional unit DU-10) MJ 8-pin (2 ports):RS-232C/422/485 *3		D-Sub 9-pin:RS-232C/422/485(when using optional unit DU-10) MJ 8-pin (2 ports):RS-232C/422/485 *3
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).
*2 It is not possible to push the two positions on the touch switch at the same with V806MD. However, it is possible to push the touch switch and the function switch at the same time.
*3 RS-422 (4-wire) communication is available via MJ2.

- Screen Program Transfer

- For V7 Series

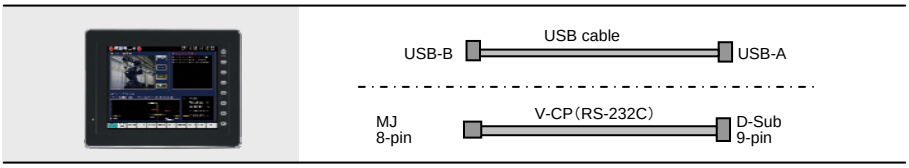


*Screen program can be also downloaded via Ethernet.

[Configuration Software]

V-SFT Ver. 2 and later
For Windows98SE/NT4.0/Me/2000/XP/XP 64Edition
* V-SFT-5 is also supported.
The upgraded program for V-SFT-5 is available on our website.

- For V8 Series



*Screen program can be also downloaded via Ethernet.

[Configuration Software]

V-SFT-5（Ver. 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 V7 series unit, it is possible to convert the program from V7 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 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#t_dl**

* 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.