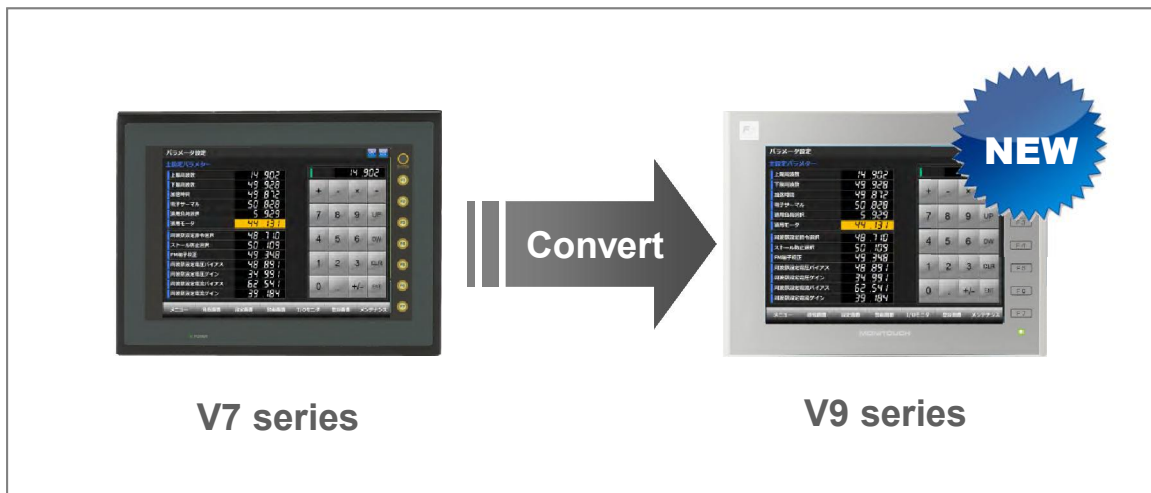


MONITOUCH

V9 Replacement Guidance [V7 series]



- List of V7 Series Models

Following is a list of models in V7 series.

Please check the model of V7 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
None: Standard

V710□□□□

- None: AC100-240V
D: DC24V
- None: Analog resistive switch
M: Matrix resistive switch^{*1}
- T: TFT color LCD VGA
C: TFT 128-color LCD VGA
S: TFT color LCD SVGA
- i: High functional
None: Standard

V708□□D

- D: DC24V
- S: TFT color LCD, SVGA
C: TFT color LCD, VGA
- i: High functional
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

*1 V710S does not support matrix type.

- V715 Series: Recommended Replacement Model

		V715	
		V715X	V715XD
Unit	- Front View		
	- Panel Cutout (mm)	 369.4 ^{+0.5} ₋₀ (width) 299.4 ^{+0.5} ₋₀ (height)	
Display device		TFT color	
Display colors		32,768 colors	
Resolution		1024 x 768 dots	
Touch switch		Analog	
Comm. I/F	Serial	D-Sub25pin : RS-232C / RS-422/485 MJ 8-pin (2-port) : RS-232C / RS-485	
	USB	USB-A, USB-B	
	Ethernet	1CH	
	Network	Comm. unit: CU-xx	
Sound Output		Optional unit: GU-00 - 03	
Video/RGB		Optional unit: GU-00 - 02	
Storage		CF card	
Power Supply		AC100-240V	DC24V

		Recommended Replacement Model	
		V9150iX	V9150iXD
Unit	- Front View		
	- Panel Cutout (mm)	 369.4 ^{+0.5} ₋₀ (width) 299.4 ^{+0.5} ₋₀ (height)	
Display device		TFT color	
Display colors		16.7 mil colors ^{*1}	
Resolution		1024 x 768 dots	
Touch switch		Analog	
Comm. I/F	D-Sub9pin	: RS-232C / RS-422/485 ^{*2}	
	MJ 8-pin (2-port)	: RS-232C / RS-485	
	USB-A, USB-miniB		
	1CH as standard		
Comm. unit: CUR-xx			
1CH as standard			
Optional unit: GUR-01, GUR-02, GUR-04 ^{*3}			
SD/SDHC card, USB memory			
Power Supply		AC100-240V	DC24V

*1 Only for pictures, 3D parts and video display. 65,536 colors for other functions.

*2 To reuse the existing cable, please use our "D9-D25" conversion cable. To convert existing "TC485" on your system, please use "TC-D9".

*3 Optional unit "GUR-00" is under development.

- V712 Series: Recommended Replacement Model

V712iS/V712S Series					
		V712iS V712S	V712iSM V712SM	V712iSD V712SD	V712iSMD V712SMD
Unit	- Front View				
	- Panel Cutout (mm)	 313 ^{+0.5} / ₋₀ 246.2 ^{+0.5} / ₋₀			
Display device	TFT color				
Display colors	32,768 colors				
Resolution	800 x 600 dots				
Touch switch	Analog	Matrix	Analog	Matrix	
Comm. I/F	Serial	D-Sub25pin : RS-232C / RS-422/485 MJ 8-pin (2-port) : RS-232C / RS-485			
	Ethernet	1CH *1			
	Network	Comm. unit: CU-xx			
Sound Output	Optional unit *1: EU-00 - 03				
Video/RGB	Optional unit *1: EU-00 - 02				
Storage	CF card				
Power Supply	AC100-240V		DC24V		

Recommended Replacement Model	
V9120iS	V9120iSD
- Front View	- Panel Cutout (mm)
313 ^{+0.5} / ₋₀ 246.2 ^{+0.5} / ₋₀	
TFT color	
16.7 mil colors *2	
800 x 600 dots	
Analog *3	
D-Sub9pin : RS-232C / RS-422/485 *4 MJ 8-pin (2-port) : RS-232C / RS-485	
1CH as standard	
Comm. unit: CUR-xx	
1CH as standard	
Optional unit: GUR-01, GUR-02, GUR-04 *5	
SD/SDHC card, USB memory	
AC100-240V	DC24V

*1 Only for V712iS/V712iSM/V712iSD/V712iSMD.

*2 Only for pictures, 3D parts and video display. 65,536 colors for other functions

*3 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.

*4 To reuse the existing cable, please use our "D9-D25" conversion cable. To convert existing "TC485" on your system, please use "TC-D9".

*5 Optional unit "GUR-00" is under development.

- V710iS/V710S Series: Recommended Replacement Model

V710iS/V710S Series					
		V710iS	V710S	V710iSD	V710SD
Unit	- Front View				
	- Panel Cutout (mm)	 289 ^{+0.5} / ₋₀ 216.2 ^{+0.5} / ₋₀			
Display device	TFT color				
Display colors	32,768 colors				
Resolution	800 x 600 dots				
Touch switch	Analog				
Comm. I/F	Serial	D-Sub25pin : RS-232C / RS-422/485 MJ 8-pin (2-port) : RS-232C / RS-485			
	Ethernet	1CH *1			
	Network	Comm. unit: CU-xx			
Sound Output	Optional unit *1: EU-00 - 03				
Video/RGB	Optional unit *1: EU-00 - 02				
Storage	CF card				
Power Supply	AC100-240V		DC24V		

Recommended Replacement Model	
V9100iS	V9100iSD
- Front View	- Panel Cutout (mm)
289 ^{+0.5} / ₋₀ 216.2 ^{+0.5} / ₋₀	
TFT color	
16.7 mil colors *2	
800 x 600 dots	
Analog	
D-Sub9pin : RS-232C / RS-422/485 *3 MJ 8-pin (2-port) : RS-232C / RS-485	
1CH as standard	
Comm. unit: CUR-xx	
1CH as standard	
Optional unit: GUR-01, GUR-02, GUR-04 *4	
SD/SDHC card, USB memory	
AC100-240V	DC24V

*1 Only for V710iS/V710iSD.

*2 Only for pictures, 3D parts and video display. 65,536 colors for other functions

*3 To reuse the existing cable, please use our "D9-D25" conversion cable. To convert existing "TC485" on your system, please use "TC-D9".

*4 Optional unit "GUR-00" is under development.

- V710iT/V710T Series: Recommended Replacement Model

- With an “EU-xx” optional unit

V710iT Series					
		V710iT	V710iTM	V710iTD	V710iTMD
Unit	- Front View				
	- Panel Cutout (mm)	 289 ^{+0.5} ₋₀ (width) 216.2 ^{+0.5} ₋₀ (height)			
Display device	TFT color				
Display colors	32,768 colors				
Resolution	640 x 480 dots				
Touch switch	Analog	Matrix	Analog	Matrix	
Comm. I/F	Serial	D-Sub25pin : RS-232C / RS-422/485 MJ 8-pin (2-port) : RS-232C / RS-485			
	Ethernet	1CH			
	Network	Comm. unit: CU-xx			
Sound Output	Optional unit: EU-00 - 03				
Video/RGB	Optional unit: EU-00 - 02				
Storage	CF card				
Power Supply	AC100-240V		DC24V		

Recommended Replacement Model	
V9100iS	V9100iSD
- Front View	- Panel Cutout (mm)
TFT color	
16.7 mil colors *1	
800 x 600 dots *2	
Analog *3	
D-Sub9pin : RS-232C / RS-422/485 *4 MJ 8-pin (2-port) : RS-232C / RS-485	
1CH as standard	
Comm. unit: CUR-xx	
1CH as standard	
Optional unit: GUR-01, GUR-02, GUR-04 *5	
SD/SDHC card, USB memory	
AC100-240V	DC24V

*1 Only for pictures, 3D parts and video display. 65,536 colors for other functions

*2 The resolution is SVGA. Please use screen auto-resize function when you change the edit model during screen configuration.

*3 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.

*4 To reuse the existing cable, please use our "D9-D25" conversion cable. To convert existing "TC485" on your system, please use "TC-D9".

*5 Optional unit "GUR-00" is under development.

- Without an “EU-xx” optional unit

V710iT/V710T Series					
		V710iT V710T	V710iTM V710TM	V710iTD V710TD	V710iTMD V710TMD
Unit	- Front View				
	- Panel Cutout (mm)	 289 ^{+0.5} ₋₀ (width) 216.2 ^{+0.5} ₋₀ (height)			
Display device	TFT color				
Display colors	32,768 colors				
Resolution	640 x 480 dots				
Touch switch	Analog	Matrix	Analog	Matrix	
Comm. I/F	Serial	D-Sub25pin : RS-232C / RS-422/485 MJ 8-pin (2-port) : RS-232C / RS-485			
	Ethernet	1CH *1			
	Network	Comm. unit: CU-xx			
Storage	CF card				
Power Supply	AC100-240V		DC24V		

Recommended Replacement Model	
V9100iC	V9100iCD
- Front View	- Panel Cutout (mm)
TFT color	
16.7 mil colors *2	
640 x 480 dots	
Analog *3	
D-Sub9pin : RS-232C / RS-422/485 *4 MJ 8-pin (2-port) : RS-232C / RS-485	
1CH as standard	
Comm. unit: CUR-xx	
SD/SDHC card, USB memory	
AC100-240V	DC24V

*1 Only for V710iT/V710iTM/V710iTD/V710iTMD.

*2 Only for pictures and 3D parts. 65,536 colors for other functions.

*3 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.

*4 To reuse the existing cable, please use our "D9-D25" conversion cable. To convert existing "TC485" on your system, please use "TC-D9".

- V710C Series: Recommended Replacement Model

V710C Series					
		V710C	V710CM	V710CD	V710CMD
Unit	- Front View				- Panel Cutout (mm)
					 289 ^{+0.5} ₋₀ (width) 216.2 ^{+0.5} ₋₀ (height)
Display device	TFT color				
Display colors	128 colors				
Resolution	640 x 480 dots				
Touch switch	Analog	Matrix	Analog	Matrix	
Comm. I/F	Serial	D-Sub25pin : RS-232C / RS-422/485 MJ 8-pin (2-port) : RS-232C / RS-485			
	Network	Comm. unit: CU-xx			
Storage	CF card				
Power Supply	AC100-240V		DC24V		

Recommended Replacement Model	
V9100iC	V9100iCD
- Front View	- Panel Cutout (mm)
	 289 ^{+0.5} ₋₀ (width) 216.2 ^{+0.5} ₋₀ (height)
TFT color	
16.7 mil colors *1	
640 x 480 dots	
Analog *2	
D-Sub9pin : RS-232C / RS-422/485 *3 MJ 8-pin (2-port) : RS-232C / RS-485	
Comm. unit: CUR-xx	
SD/SDHC card, USB memory	
AC100-240V	DC24V

*1 Only for pictures and 3D parts. 65,536 colors for other functions.

*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.

*3 To reuse the existing cable, please use our "D9-D25" conversion cable. To convert existing "TC485" on your system, please use "TC-D9".

- V708 Series: Recommended Replacement Model

V708iS/V708S Series					
		V708iSD	V708SD		
Unit	- Front View				- Panel Cutout (mm)
					 220.5 ^{+0.5} ₋₀ (width) 165.5 ^{+0.5} ₋₀ (height)
Display device	TFT color				
Display colors	32,768 colors				
Resolution	800 x 600 dots				
Touch switch	Analog				
Comm. I/F	Serial	D-Sub25pin : RS-232C / RS-422/485 MJ 8-pin (2-port) : RS-232C / RS-485			
	Ethernet	1CH *1			
	Network	Comm. unit: CU-xx			
Sound Output	Optional unit *1: EU-00 - 03				
Video/RGB	Optional unit *1: EU-00 - 02				
Storage	CF card				
Power Supply	DC24V				


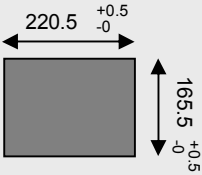
Recommended Replacement Model	
V9080iSD	
- Front View	- Panel Cutout (mm)
	 220.5 ^{+0.5} ₋₀ (width) 165.5 ^{+0.5} ₋₀ (height)
TFT color	
16.7 mil colors *2	
800 x 600 dots	
Analog	
D-Sub9pin : RS-232C / RS-422/485 *3 MJ 8-pin (2-port) : RS-232C / RS-485	
1CH as standard	
Comm. unit: CUR-xx	
1CH as standard	
Optional unit: GUR-01, GUR-02, GUR-04 *4	
SD/SDHC card, USB memory	
DC24V	


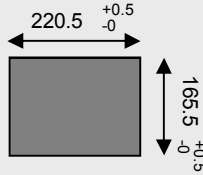
*1 Only for V708iSD.

*2 Only for pictures, 3D parts and video display. 65,536 colors for other functions

*3 To reuse the existing cable, please use our "D9-D25" conversion cable. To convert existing "TC485" on your system, please use "TC-D9".

*4 Optional unit "GUR-00" is under development.


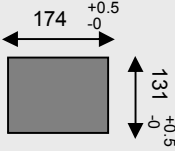
		V708C	
		V708CD	
Unit	- Front View		
	- Panel Cutout (mm)		
Display device	STN color		
Display colors	128 colors		
Resolution	640 x 480 dots		
Touch switch	Analog		
Comm. I/F	Serial	D-Sub25pin : RS-232C / RS-422/485 MJ 8-pin (2-port) : RS-232C / RS-485	
	Network	Comm. unit: CU-xx	
Storage	CF card		
Power Supply	DC24V		


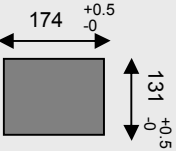
		Recommended Replacement Model	
		V9080iCD	
Unit	- Front View		
	- Panel Cutout (mm)		
Display device	TFT color		
Display colors	16.7 mil colors *1		
Resolution	640 x 480 dots		
Touch switch	Analog		
Comm. I/F	D-Sub9pin	: RS-232C / RS-422/485 *2	
	MJ 8-pin (2-port)	: RS-232C / RS-485	
	Comm. unit: CUR-xx		
	SD/SDHC card, USB memory		
Power Supply	DC24V		

*1 Only for pictures and 3D parts. 65,536 colors for other functions

*2 To reuse the existing cable, please use our "D9-D25" conversion cable. To convert existing "TC485" on your system, please use "TC-D9".

- V706 Series: Recommended Replacement Model

		V706 Series		
		V706TD V706TMD	V706CD V706CMD	V706MD V706MMD
Unit	- Front View			
	- Panel Cutout (mm)			
Display device	TFT color	STN color	STN mono	
Display colors	32,768 colors		8-grayscale	
Resolution	320 x 240 dots			
Touch switch	Analog *1			
Comm. I/F	Serial	D-Sub25pin (with DU-01) : RS-232C / RS-422/485 MJ 8-pin (2-port) : RS-232C / RS-422/485 *2		
	USB	USB-A, USB-B		
	Ethernet	1CH (with DU-01)		
	Network	Comm. unit: CU-ADP + CU-xx, DU-TL		
Storage	CF card (with DU-01)			
Power Supply	DC24V			

		Recommended Replacement Model	
		V9060iTD	
Unit	- Front View		
	- Panel Cutout (mm)		
Display device	TFT color		
Display colors	260k colors *3		
Resolution	640 x 480 dots *4		
Touch switch	Analog *5		
Comm. I/F	D-Sub9pin (with DUR-00)	: RS-232C / RS-422/485 *6	
	MJ 8-pin (2-port)	: RS-232C / RS-422/485 *2	
	USB-A, USB-miniB		
	1CH as standard		
	Comm. unit: CUR-xx		
	SD/SDHC card (1CH as standard) , USB memory		
Power Supply	DC24V		

*1 V706TMD/V706CMD/V706MMD are matrix models.

*2 MJ2 port supports RS422 with 4-wire system.

*3 Only for pictures and 3D parts. 65,536 colors for other functions.

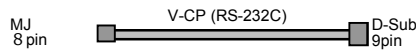
*4 Resolution is VGA. Please use screen auto-resize function when you change the edit model during screen configuration.

*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

*6 To reuse the existing cable, please use our "D9-D25" conversion cable. To convert existing "TC485" on your system, please use "TC-D9".

- Screen Program Transfer

- For V7 Series



[Configuration Software]

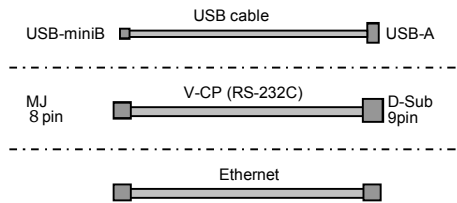
V-SFT-5 (Ver. 5)

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

* It is also possible to transfer a screen program via a CF card or Ethernet (in case of "I" model, V706 with DU-01 unit, or CU-03 unit connection.)



- For V9 Series



[Configuration Software]

V-SFT-6 (Ver. 6)

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

* It is also possible to transfer a screen program via an SD card or USB memory.

* V9's LAN port supports auto-MDIX so that you can use both straight and cross cables, regardless of the use of a hub.

- Screen Program Conversion

If you have the screen program of V7 series unit, it is possible to convert the program from V7 series to V9 series using V-SFT-6 (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 documentation on V9 function limitations for further details.

<http://monitouch.fujielectric.com/uploaded/attachment/146.pdf>

* Above recommended models are the ones with less limitations. Replacement with other models than recommended types are also available to meet your system requirement.

Hakko Electronics Co., Ltd.

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