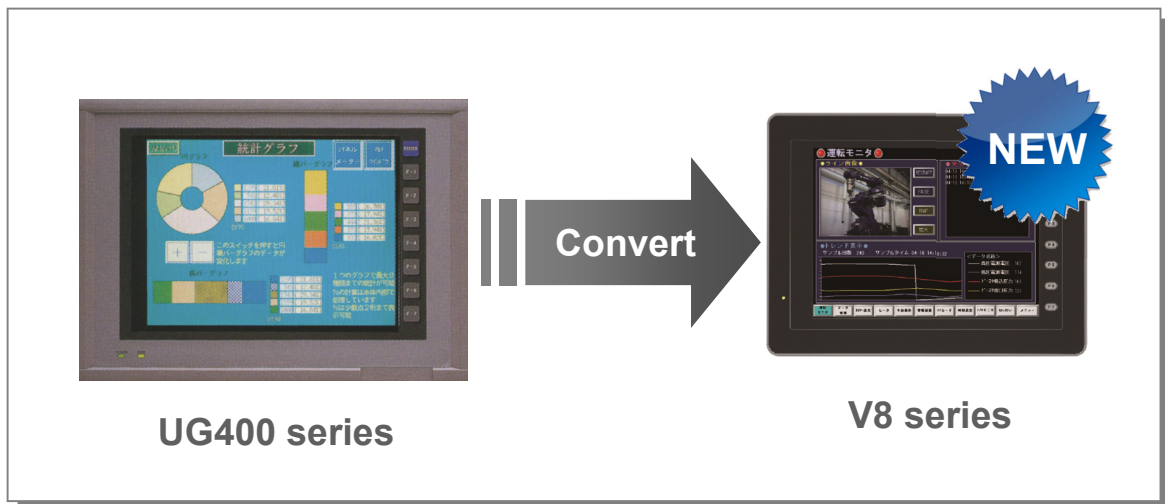


MONITOUCH

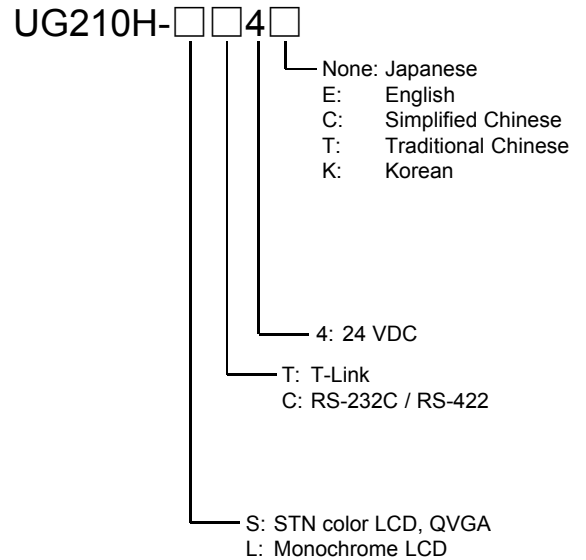
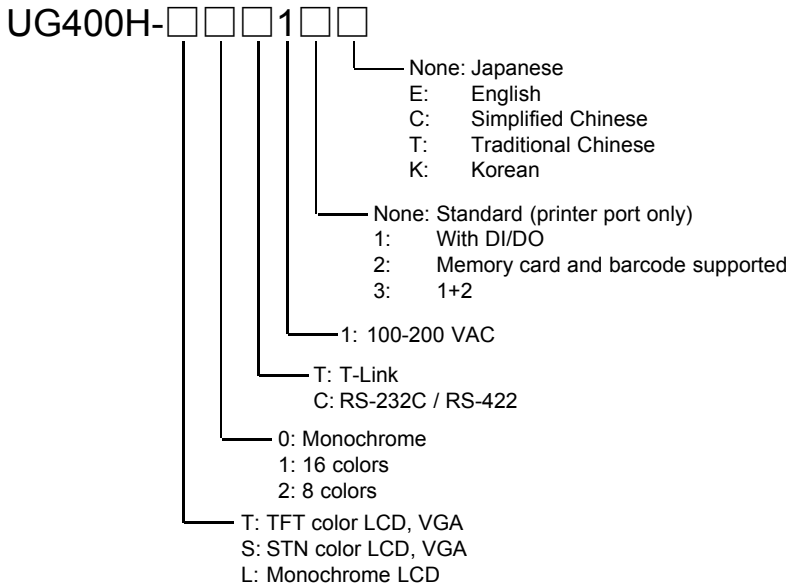
V8 Replacement Guidance [UG400/210 series]





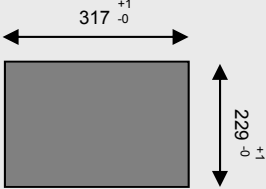
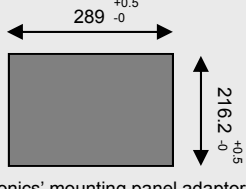
- UG400/210 series models

The UG400/210 series models are listed below.

Check the following recommended models for replacement according to the current UG400/210 series model.



- Recommended models for replacement of UG400H-T series (1)

	UG400H-T series		Recommended models for replacement			
	UG400H-T1C1xx	UG400H-T2C1xx	V810T/ V810TN	V810C/ V810CN	V810TM/ V810TMN	V810CM/ V810CMN
MONITOUCH						
Panel cut-out dimensions (mm)						
Display device	TFT color		TFT color			
Colors	16 colors	8 colors	65,536 colors			
Resolution	640 × 480 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 9-pin: RS-232C/422 Modular jack 8-pin (2 ports): RS-232C/RS-485			
Power supply	100 to 200 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 To use a terminal block for connection, use Hakko Electronics' optional terminal converter "TC-D9".

*3 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 UG400H-T series (2)

	UG400H-T series	
	UG400H-T1T1xx	UG400H-T2T1xx
MONITOUCH		
Panel cut-out dimensions (mm)		
Display device	TFT color	
Colors	16 colors	8 colors
Resolution	640 × 480 dots	
Touch switch	Matrix	
Communication I/F	Terminal block: T-Link	
Power supply	100 to 200 VAC	

Recommended models for replacement			
V810T/ V810TN	V810C/ V810CN	V810TM/ V810TMN	V810CM/ V810CMN
Use Hakko Electronics' mounting panel adaptor "PAD-V610".			
TFT color			
65,536 colors			
640 × 480 dots			
Analog		Matrix	
V810T/V810C/V810TM/V810CM: CU-01 V810TN/V810CN/V810TMN/V810CMN: CUN-01			
100 to 240 VAC			

*1 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 UG400H-S series (1)

	UG400H-S series	
	UG400H-S1C1xx	UG400H-S2C1xx
MONITOUCH		
Panel cut-out dimensions (mm)		
Display device	STN color	
Colors	16 colors	8 colors
Resolution	640 × 480 dots	
Touch switch	Matrix	
Communication I/F	D-sub 25-pin: RS-232C/422 Terminal block: RS-422	
Power supply	100 to 200 VAC	


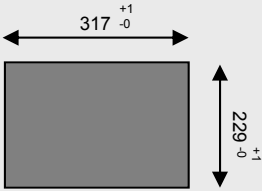
Recommended models for replacement	
V810C/V810CN	V810CM/V810CMN
Use Hakko Electronics' mounting panel adaptor "PAD-V610".	
TFT color	
65,536 colors	
640 × 480 dots	
Analog	Matrix
D-sub 9-pin: RS-232C/422 Modular jack 8-pin (2 ports): RS-232C/RS-485	
100 to 240 VAC	


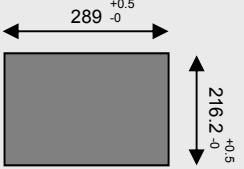
*1 Use a V8-specific cable as a PLC connection cable. When using the existing cable, use Hakko Electronics' conversion cable "D9-D25".

*2 To use a terminal block for connection, use Hakko Electronics' optional terminal converter "TC-D9".

*3 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.


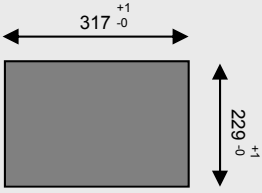
- Recommended models for replacement of UG400H-S series (2)


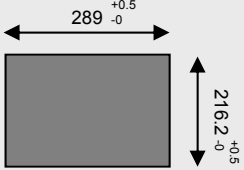
	UG400H-S series	
	UG400H-S1T1xx	UG400H-S2T1xx
MONITOUCH		
Panel cut-out dimensions (mm)		
Display device	STN color	
Colors	16 colors	8 colors
Resolution	640 × 480 dots	
Touch switch	Matrix	
Communication I/F	Terminal block: T-Link	
Power supply	100 to 200 VAC	

Recommended models for replacement			
V810C	V810CN	V810CM	V810CMN
			
			
Use Hakko Electronics' mounting panel adaptor "PAD-V610".			
TFT color			
65,536 colors			
640 × 480 dots			
Analog		Matrix	
CU-01	CUN-01	CU-01	CUN-01
100 to 240 VAC			

*1 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 UG400H-L series (1)

	UG400H-L series	
	UG400H-L1C1xx	
MONITOUCH		
Panel cut-out dimensions (mm)		
Display device	STN monochrome	
Colors	8-level grayscale	
Resolution	640 × 480 dots	
Touch switch	Matrix	
Communication I/F	D-sub 25-pin: RS-232C/422 Terminal block: RS-422	
Power supply	100 to 200 VAC	


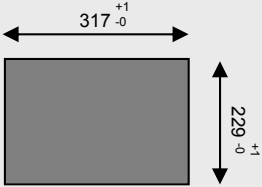
Recommended models for replacement	
V810C/V810CN	V810CM/V810CMN
	
	
Use Hakko Electronics' mounting panel adaptor "PAD-V610".	
TFT color	
65,536 colors	
640 × 480 dots	
Analog	Matrix
D-sub 9-pin: RS-232C/422 Modular jack 8-pin (2 ports): RS-232C/RS-485	
100 to 240 VAC	


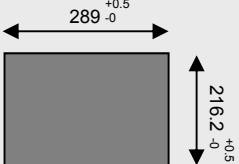
*1 Use a V8-specific cable as a PLC connection cable. When using the existing cable, use Hakko Electronics' conversion cable "D9-D25".

*2 To use a terminal block for connection, use Hakko Electronics' optional terminal converter "TC-D9".

*3 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.


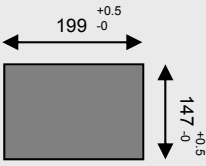
- Recommended models for replacement of UG400H-L series (2)


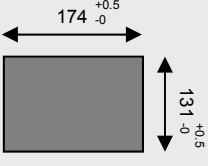
UG400H-L series	
UG400H-L1T1xx	
MONITOUCH	
Panel cut-out dimensions (mm)	
Display device	STN monochrome
Colors	8-level grayscale
Resolution	640 × 480 dots
Touch switch	Matrix
Communication I/F	Terminal block: T-Link
Power supply	100 to 200 VAC

Recommended models for replacement			
V810C	V810CN	V810CM	V810CMN
			
			
Use Hakko Electronics' mounting panel adaptor "PAD-V610".			
TFT color			
65,536 colors			
640 × 480 dots			
Analog		Matrix	
CU-01	CUN-01	CU-01	CUN-01
100 to 240 VAC			

*1 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 UG210H-S series (1)

UG210H-S series	
UG210H-SC4xx	
MONITOUCH	
Panel cut-out dimensions (mm)	
Display device	STN color
Colors	16 colors
Resolution	320 × 240 dots
Touch switch	Matrix
Communication I/F	D-sub 25-pin: RS-232C/422
Power supply	24 VDC

Recommended models for replacement	
V806CD/V806CDN	
	
	
Use Hakko Electronics' mounting panel adaptor "PAD-V606".	
STN color	
65,536 colors	
320 × 240 dots	
Analog	
D-sub 9-pin: RS-232C/422 (with "DU-10" or "DUN-10" attached) Modular jack 8-pin (2 ports): RS-232C/422/485 ^{†3}	
24 VDC	



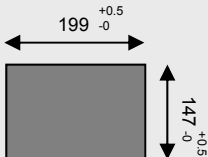
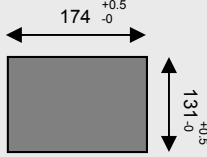
*1 Use a V8-specific cable as a PLC connection cable. When using the existing cable and attaching "DU-10" or "DUN-10", use Hakko Electronics' conversion cable "D9-D25". When not attaching "DU-10" nor "DUN-10" (except for connection with a Mitsubishi A series CPU), use Hakko Electronics' conversion cable "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 The MJ2 port can be used for connection via RS-422 (4-wire connection).



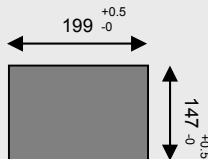
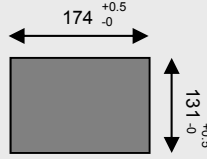
*4 When using the D-sub 9-pin connector on V806, use "DU-10" for V806MD and "DUN-10" for V806MDN.

- Recommended models for replacement of UG210H-S series (2)

UG210H-S series		Recommended models for replacement	
UG210H-ST4xx		V806CD	V806CDN
MONITOUCH			
Panel cut-out dimensions (mm)			
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	Terminal block: T-Link	CU-01	CUN-01
Power supply	24 VDC	24 VDC	

*1 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 UG210H-L series (1)

UG210H-L series		Recommended models for replacement	
UG210H-LC4xx		V806MD/V806MDN	
MONITOUCH			
Panel cut-out dimensions (mm)			
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/422/485 ^{*3}	
Power supply	24 VDC	24 VDC	



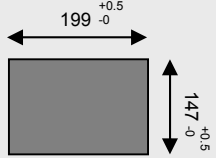
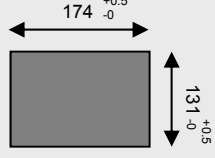
*1 Use a V8-specific cable as a PLC connection cable. When using the existing cable and attaching "DU-10" or "DUN-10", use Hakko Electronics' conversion cable "D9-D25". When not attaching "DU-10" nor "DUN-10" (except for connection with a Mitsubishi A series CPU), use Hakko Electronics' conversion cable "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 The MJ2 port can be used for connection via RS-422 (4-wire connection).

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

- Recommended models for replacement of UG210H-L series (2)

UG210H-L series		Recommended models for replacement	
UG210H-LT4xx		V806MD	V806MDN
MONITOUCH			
Panel cut-out dimensions (mm)			
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	Terminal block: T-Link	CU-01	CUN-01
Power supply	24 VDC	24 VDC	

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

- Screen program transfer

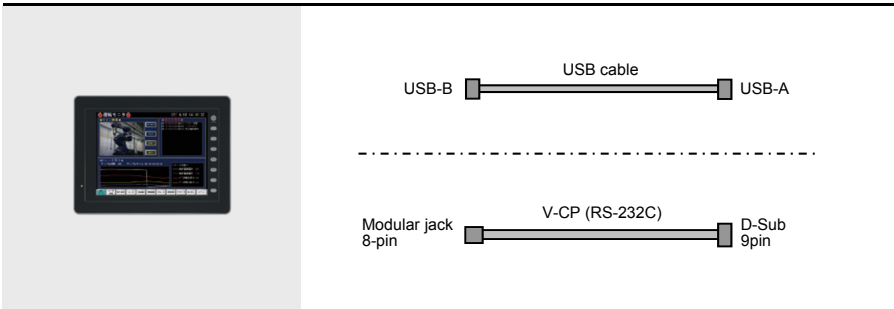
- UG400/UG210 series



[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)

- V8 series



[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 programs can also be transferred via Ethernet.

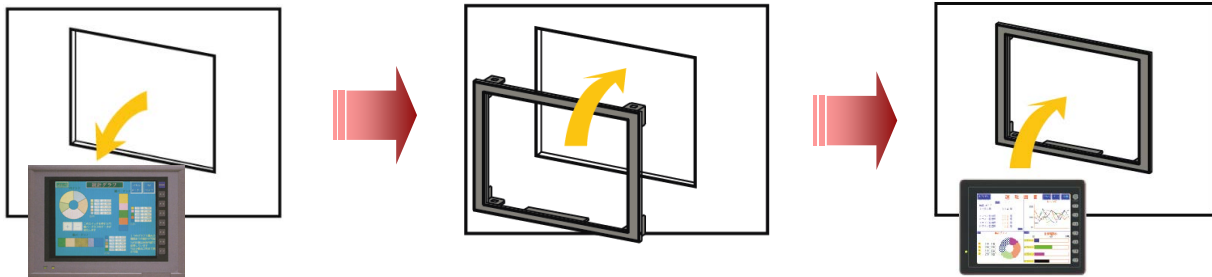
- Screen program conversion

The UG400/210 series can be replaced with the V8 series by converting the UG400/210 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.

- Mounting panel adaptor (PAD-Vxxx)

Use a mounting panel adaptor when installing a new MONITOUCH model into the panel cut-out hole of the UG400/210 series.

- (1) Remove the UG400/210 series unit from the panel.
- (2) Install the mounting panel adaptor.
- (3) Install a V8 series unit.



* 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.

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<https://monitouch.fujielectric.com/>