To All Customers



Rep No.B21039a January 2022

Fuji Electric FA Components & Systems Co., Ltd.

Notification regarding Addition of Design Features and Change in Panel Sheet Material and Paint for F-MPC60G Series Multifunctional Digital Relays for High-voltage Power Receiving Applications

We would like to thank you for your continued patronage of Fuji products.

We will be changing some products as described below.

Please review the following information and take appropriate actions.

Please also inform all related sections of your company of these changes.

Product name	Multifunctional digital relays for high-voltage power receiving applications	
Series name	F-MPC60G Series	
Туре	UM6□ (Common to all models)	
Parts subject to change	 Software (additional features) ···· The software version will be changed from V.1 to V.2 Addition of accident waveform recording function Addition of notification capability in case of equipment failure (RS-485 communication) Addition of notification capability for circuit breaker on/off/trip (RS-485 communication and T-Link communication) Change of equipment failure output at reset of clock IC Hardware Change of panel sheet material and paint 	
Details of the change	 The number of recording cycles can now be set from the operating point [protective action] when performing accident waveform recording. In the event of equipment failure, the failure code indicating the details of the failure can now be read out via RS-485 communication. Operating time measurement results during circuit breaker operation can now be read out via RS-485 and T-Link communication. It is now possible to turn off the equipment failure output when the clock IC undergoes data reset. Change of panel sheet material and paint manufacturer For details, see the attachment.	
Reason for changes	To add the features required by the market and to improve procurability and productivity.	
Date of the production change	Scheduled for products to be produced from May 2022	
Attachment	Attachment: Addition of Features and Change in Panel Sheet Material and Paint for F-MPC60G Series Products	
Notes concerning the changes	 This change will not affect product performance, but the version of the software being used will be changed. (We will not provide software changes for already delivered products.) [Version change] Applicable to low-voltage 3-phase 4-wire types (Type UM63FN-E□AK) V0 => V0A (Only 3 items will be changed. Items 1, 2, and 4 have been reflected in the specifications since the product launch) Other than the above V1□ => V2 	



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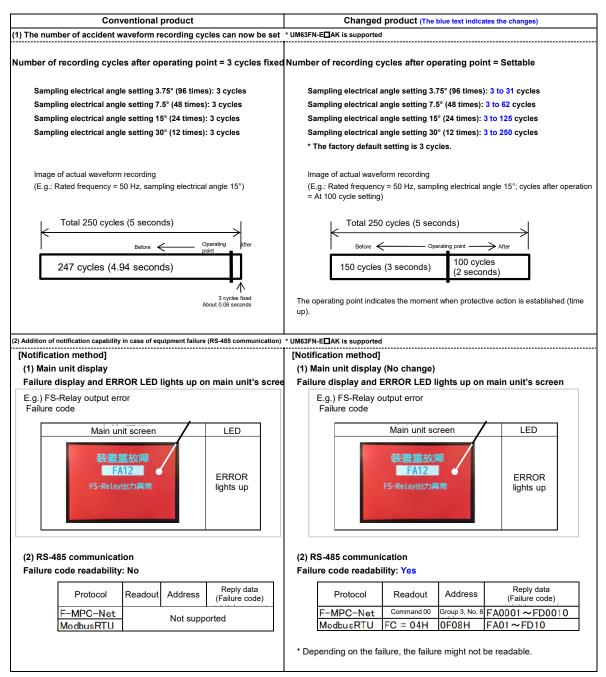
[Details of the change]

(1) The number of effective recording cycles can now be set from the operating point [protective action] when performing accident waveform recording.(2) In the event of equipment failure, the failure code indicating the details of the failure can now be read out via RS-485 communication.

(3) Operating time measurement results during circuit breaker operation can now be read out via RS-485 communication.

(4) It is now possible to turn off the equipment failure output when the clock IC undergoes data reset.

(5) Change of panel sheet material and paint.



Attachment Addition of Features and Change in Panel Sheet Material and Paint for F-MPC60G Series Products (Fin7570236)



Conventional product	Changed product (The blue text indicates the changes)		
B) Addition of operating time notification at circuit breaker	operation (on/off/trip) (Communication: RS-485 and T-Link)		
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[Notification method]	[Notification method]		
(1) Main unit screen display	(1) Main unit screen display (No change)		
Displayed on the following screen only in test mode.	Displayed on the following screen only in test mode.		
(E.g.) 返断器動作試験履歴 No. 試験時刻	(E.g.) 返断器動作試験履歴 No. 試験時刻		
1 2018/03/15 13:48 2 2018/03/15 10:28 3 2017/09/15 10:28 No.1 2018/03/15 13:48 Close Open Trip 126ms 122ms 128ms	1 2018/03/15 13:48 2 2018/03/15 10:28 3 2017/09/15 10:28 No.1 2018/03/15 13:48 Close Open Trip 126ms 122ms 128ms		
(2) Communication output (RS-485 and T-Link)	(2) Communication output (RS-485 and T-Link)		
Operating time readability: No	Operating time readability: Yes		
	•Outputs the circuit breaker operating time when the circuit breake		
	operates in normal mode or test mode.		
	Protocol Readout Address Reply content (operating tim		
Protocol Readout Address Reply content (operating time)			
RS-485	RS=485 Command 16 ead point 06 Off (0.000 is the initial val		
(F-MPC-Net)	(F-MPC-Net) Command in Lead point 06 On and 9.999 is the error value)		
RS-485 Not supported	RS-485		
(ModbusRTU)	(Modbus BTLI) FC = 04H 01C2H Off (off) and 9.999 is the error		
T-Link	(Modbust(10) 01C4H Trip value)		
	T Link Extension 2 Setting station + 3, Group 10 On 0.001 to 9.000 (s) (0.000 is the initial va		
	T-Link Extension 2 Setting station + 3, Group 11 Off (0.000 Is the initial va Setting station + 3, Group 12 Trip value)		
	* Supported communication protocols vary depending on the model.		
) Change of equipment failure output at reset of clock IC	* UM63FN-E⊡AK is supported		
When the backup capacitor is completely discharged, the is not an equipment failure, the equipment failure contact			
Starting at 00:00 on January 1, 2000	Starting at 00:00 on January 1, 2000		
Panel display: FD01	Panel display: FD01		
Equipment failure contact: Output Equipment failure LED: ON	Equipment failure contact: No output Equipment failure LED: OFF		
	* When this occurs, clear the error display and reset the clock by performing reset.		
) Change of panel sheet material and paint			
(1) Sheet material	(1) Sheet material		
Toyobo: Cosmoshine A4300	Toyobo: Cosmoshine A4360		
	•There is no change in the physical properties of the film itself.		
(2) Printing paint manufacturer Teikoku Ink	(2) Printing paint manufacturer Jujo Chemical • Matte finish is applied to the panel sheet to prevent scratches a		
	reduce extraneous light reflection on the LCD. The surface is relatively rougher than conventional products, but there is no change in function or performance.		