

Production Discontinuation of the MELSEC-F Series Special Block for RS-232C Communication

■Date of Issue

July 2023

■Relevant Models

FX2N-232IF

Thank you for your continued support of Mitsubishi Electric programmable controllers, MELSEC-F series. This technical bulletin informs you that production of the following MELSEC-F series special block for RS-232C communication will be discontinued.

1 MODEL TO BE DISCONTINUED

Product	Model
Special block for RS-232C communication	FX2N-232IF

2 SCHEDULE

- Start of make-to-order production: October 1, 2023
- Order acceptance: Until December 31, 2023
- Production discontinuation: March 31, 2024

3 REASON FOR DISCONTINUATION

Parts of the above product are now obsolete, and we have difficulty to maintain our production system.

4 REPAIR ACCEPTANCE

Repair acceptance: Until March 31, 2031 (for seven years after the discontinuation of production)

(Note that, even during the repair acceptance period, the repair will not be supported if the parts run out of stock.)

5 ALTERNATIVE MODELS

The following table lists the alternative models.

Model to be discontinued		Alternative model	
Product	Model	MELSEC iQ-F series ^{*1}	MELSEC-F series
Special block for RS-232C communication	FX2N-232IF	FX5-232-BD ^{*2} FX5-232ADP	FX3U-232-BD ^{*3} FX3U-232ADP-MB ^{*4}

*1 When the MELSEC iQ-F series are used, GX Works3 is required.

*2 The model can be used with the FX5U, FX5UJ or FX5S CPU module.

*3 The model can be used with the FX3U main unit.

*4 When the model is connected with the FX3U main unit, an expansion board (FX3U-CNV-BD) for connecting with special adapter is required.

6 COMPARISON OF SPECIFICATIONS

The following table shows the specifications comparison between the model to be discontinued and alternative models of MELSEC iQ-F series.

Item	Model to be discontinued		Alternative model	
	FX2N-232IF		FX5-232-BD	FX5-232ADP
Number of occupied I/O points	8		0	
Transmission standard	Conforming to RS-232C standard		Conforming to RS-232C standard	
Maximum total extension distance	15m		15m	
Insulation	Photocoupler isolation		Non-insulation	Photocoupler isolation
Connection method	9-pin D-sub, male		9-pin D-sub, male	
Protocol type	Non-protocol communication		Non-protocol communication, MELSOFT connection, MC protocol (1C/3C/4C frame), MODBUS RTU communication, predefined protocol support	
Communication method	Full-duplex		Half-duplex/Full-duplex	
Baud rate (bps)	300/600/1200/2400/4800/9600/19200		300/600/1200/2400/4800/9600/19200/38400/57600/115200	
Data bit	7 or 8-bit		7 or 8-bit	
Parity bit	None, odd, or even		None, odd, or even	
Stop bit	1 or 2-bit		1 or 2-bit	
Header	Provided or not provided		Provided or not provided	
Terminator	Provided or not provided		Provided or not provided	
Control line	Provided or not provided		Provided or not provided	
Sum check	Provided or not provided		Provided or not provided	
Maximum number of transmission points	512		4096	
Power supply	External 24VDC	80mA	—	—
	Internal 5VDC	—	20mA	30mA
	Internal 24VDC	—	—	30mA
Maximum number of connectable modules	8		1 (When an FX5U, FX5UJ, or FX5S CPU module is used)	2 (When an FX5U, FX5UC, FX5UJ, or FX5S CPU module is used) ^{*1*2}

*1 When an FX5U CPU module is used, an expansion board (FX5-232-BD) can be used together.

*2 When an FX5UJ or FX5S CPU module is used, only one expansion board (FX5-232-BD) can be connected.

REVISIONS

Version	Date of Issue	Revision
A	July 2023	First edition

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