

MOMENT LIMITER

2. Error code table

(Remarks) 1. When an error is detected, the applicable error code is shown on the numerical display.

2. If multiple errors occur, those error codes are sequentially displayed.

3. If multiple errors occur at the same time, the error codes are displayed in order.

Error code	Name	Criteria	Monitoring time	Error history	Neutral check when recovery	Prohibited operation								Stop		Return condition	Monitoring unit	Remarks
						Upper			Lower			Automatic steering		OR operation	Lower hydraulic pressure outlet			
						Remote control	XYZ	Remote control	Manual	Upper	Lower							
Indeterminate	CPU error	Error detection by watch dog timer				X							X					
001	ROM sum check error	Error of sum check value	Power ON			X	X	X	X	X	X	X	X	X		Power OFF	AML	
002	AML hardware configuration error	Execution environment failure such as RAM error, connection failure of extension board	Power ON			X	X	X	X	X	X	X	X	X		Power OFF	AML	
003	EEPROM error	Error and writing failure of sum check value, ID code discrepancy	Power ON			X	X	X	X	X	X	X	X	X		Power OFF	AML	
004	Input power voltage error	Power voltage supplied from outside is out of the specified range.	Always	○	X	X	X	X	X	X	X	X	X	X	○	Automatic return	AML	
005	Internal power voltage error	Voltage regulated inside is out of the specified range.	Always	○	○	X	X	X	X	X	X	X	X	X	○	Automatic return	AML	
006	Capacity select error	Settings with rotary switch and E ² PROM are different.	Always	○	○	X	X	X	X	X	X	X	X	X	○	Power OFF	AML	
007	AML calculation error	The AML cannot calculate.	Always	○	△	X	X	X	X	X	X	X	X	X	○	Automatic return	AML	
008	UPP error	No writing from A/D converter of UPP for more than a specified period. (Input/output of the analog value to CPU is impossible.)	Always	○	○	X	X	X	X	X	X	X	X	X	○	Power OFF	AML	
009	Upper adjustment mode	The upper adjustment mode is set.	Always	○	○	○	○	○	○	○	○	○	○	○		Automatic return	AML	
010	Communication time out error from upper to AML	No communication from upper is received. (No interruption for more than a specified period.)	Always	○	○	X	X	X	X	X	X	X	X	X	○	Automatic return	AML	
011	Communication frame error from upper to AML	Receiving interruption is present. However, because of the parity error or BCC error, the frame cannot be updated within the specified period.	Always	○	△	X	X	○	○	X	○	○	○	○	○	Automatic return	AML	
014	Time out error from OR indicator to AML	No communication from OR indicator is received. (No interruption is present for more than a specified period.)	Always	○	○	X	X	X	X	X	X	X	X	X	○	Automatic return	AML	
015	Frame error from OR indicator to AML	Receiving interruption is present. However, because of the parity error or BCC error, the frame cannot be updated within the specified period.	Always	○	○	X	X	X	X	X	X	X	X	X	○	Automatic return	AML	
016	Communication time out error from AML to upper	The time out error flag from upper is "1."	Always	○	○	○	○	○	○	○	○	○	○	○		Automatic return	Upper STM	
017	Communication frame error from AML to upper	The frame error flag from upper is "1."	Always	○	○	○	○	○	○	○	○	○	○	○		Automatic return	Upper STM	
018	Time out error from AML to OR indicator	The time out error flag from OR indicator is "1."	Always	○	△	X	X	X	X	X	X	X	X	X	○	Automatic return	OR indicator	
019	Frame error from AML to OR indicator	The frame error flag from OR indicator is "1."	Always	○	○	X	X	X	X	X	X	X	X	X	○	Automatic return	OR indicator	
020	Upper configuration error	The error flag of the hardware (A/D conversion, etc.) is sent from upper.	Always	○	△	X	X	○	○	X	○	○	○	○	○	Automatic return	Upper STM	
021	Upper controls power voltage error	The power voltage supplied from outside is out of the specified range.	Always	○	△	X	X	X	○	X	○	○	○	○	○	Automatic return	Upper STM	
022	Upper controls internal voltage error	The voltage regulated inside is out of the specified range.	Always	○	△	X	X	X	○	X	○	○	○	○	○	Automatic return	Upper STM	
030	Boom length detector error	The output voltage of the boom length detector is out of the specified range.	Always	○	△	X	X	X	X	X	X	X	X	X	○	Automatic return	AML	
031	Boom angle detector error	The output voltage of the elevating angle detector is out of the specified range.	Always	○	△	X	X	X	X	X	X	X	X	X	○	Automatic return	AML	
032	Swing angle detector error	The output voltage of the swing angle detector is out of the specified range.	Always	○	△	X	X	X	X	X	X	X	X	X	○	Automatic return	AML	
038	Elevating moment detector error	The output voltage of the elevating moment detector is out of the specified range.	Always	○	△	X	X	X	X	X	X	X	X	X	○	Automatic return	AML	
039	Leveling moment detector error	The output voltage of the leveling moment detector is out of the specified range.	Always	○	△	X	X	X	X	X	X	X	X	X	○	Automatic return	AML	

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