

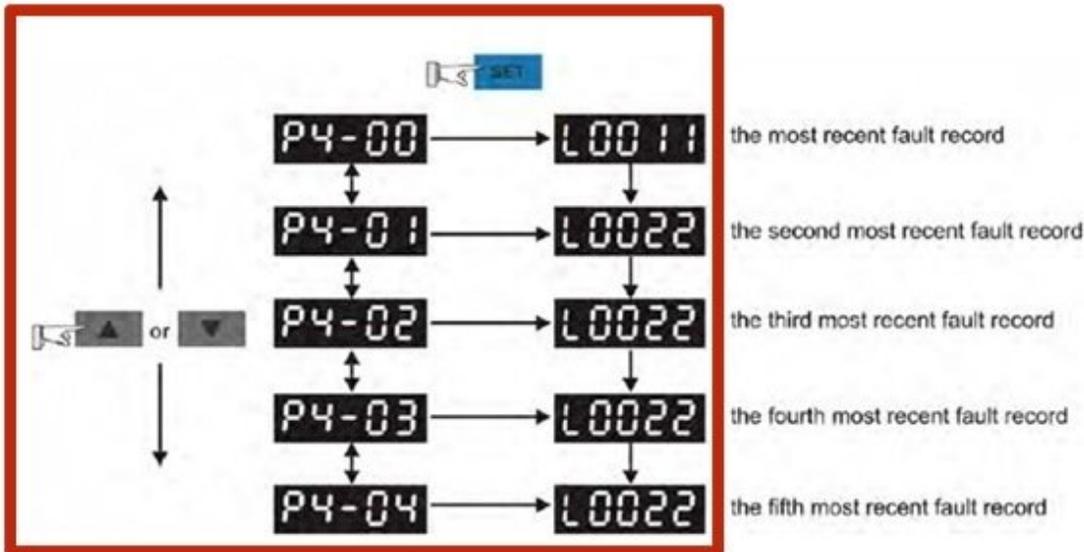


RX - How to Check Fault History of Delta Servo Drives

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Fault Code Display Operation

After entering the parameter mode P4-00 to P4-04 (Fault Record), press SET key to display the corresponding fault code history for the parameter.



P0-02 Setting	Display Message	Description	Unit
12	AUG-L	Average load	[%]

INTRODUCTION

Step 1 — Navigating Delta Servo Drive

Fault Code Display Operation
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P0-02 Setting	Display Message	Description	Unit
12	R00-L	Average load	[%]



- Here is a breakdown of how to access the fault history, or you can follow the step by step instructions that follow.
- To gain access to the P4 parameter, you must first press the MODE button on the servo drive, you will then see P0-00.
- Press SHIFT button until you get to P4.

Step 2 — Navigating Delta Servo Drive Cont.



Encoder	Fault Name	Fault Description	Clear/Fault Name	Fault Description
R0001	Overcurrent	Main circuit current is higher than 1.5 multiple of motor's rated maximum current value.	R0015	CCP temperature error
R0002	Overvoltage	Main circuit voltage has exceeded its maximum allowable value.	R0016	Memory error
R0003	Undervoltage	Main circuit voltage is belows minimum specified value.	R0017	Encoder output error
R0004	Motor error	The motor does not match the drive. They are not correctly matched for size (motor rating).	R0018	Serial communication error
R0005	Regeneration error	Regeneration operation is in error.	R0019	Serial communication error
R0006	Overload	Servo motor and drive is overloaded.	R0020	Serial communication time out
R0007	Overheat	Motor's control speed exceeds the limit of normal speed.	R0021	Reserved
R0008	Reverse phase control command	Invert frequency of pulse command exceeds the limit of its allowable setting value.	R0022	Hard power (shut) limit
R0009	Excessive deviation	Position control deviation value exceeds the limit of its allowable setting value.	R0023	Hard power (shut) limit
R0010	Reverse	Pulse signal is in error.	R0024	Preoverload warning
R0011	Encoder error	Pulse signal is in error.	R0025	Encoder input magnetic field error
R0012	Adjustment error	Adjuster value exceeds the limit of its allowable setting value when perform electrical adjustment.	R0026	Encoder internal error
R0013	Emergency stop activated	Emergency stop switch is actuated.	R0027	Encoder data error
R0014	Reverse limit switch error	Reverse limit switch is actuated.	R0028	Motor internal error
R0015	Forward limit switch error	Forward limit switch is actuated.	R0029	Motor internal error
R0016	CCP temperature error	The temperature of CCP is over 100°C (212°F).	R0030	Motor protection error
R0017	Memory error	The wrong connections of U, V, W of the servo motor output and GND for grounding are in error.	R0031	U, V, W GND wiring error
R0018	Encoder output error	The encoder output error is detected for three times.	R0032	Motor temperature error
R0019	Serial communication error	The setting value of the encoder is in error. An internal counter error is detected.	R0033	Motor temperature error
R0020	Serial communication time out	The setting value of the encoder is in error.	R0034	Excessive encoder output error
R0021	Reserved	The internal address of the encoder is in error.	R0035	Motor temperature warning
R0022	Hard power (shut) limit	In order to protect the motor, this alarm will be activated when the setting value of P157 is reached after a period of time set by P158.	R0036	EEPROM is not read after the firmware version is updated.
R0023	Hard power (shut) limit	The wrong connections of U, V, W of the servo motor output and GND for grounding are in error.	R0037	EEPROM is not read after setting P0-00 to 30 first, and then setting P2-00 to 28 next and restarting the servo drive.
R0024	Reserved	The temperature of motor is over 100°C (212°F).		
R0025	Preoverload warning	The encoder output error or output pulse exceed hardware tolerance.		
R0026	Encoder input magnetic field error	The temperature of motor is over 100°C (212°F).		
R0027	Encoder internal error	The temperature of motor is over 100°C (212°F).		
R0028	Encoder data error	The temperature of motor is over 100°C (212°F).		
R0029	Motor internal error	The temperature of motor is over 100°C (212°F).		
R0030	Motor protection error	The temperature of motor is over 100°C (212°F).		
R0031	U, V, W GND wiring error	The temperature of motor is over 100°C (212°F).		
R0032	Motor temperature error	The temperature of motor is over 100°C (212°F).		
R0033	Motor temperature error	The temperature of motor is over 100°C (212°F).		
R0034	Excessive encoder output error	The temperature of motor is over 100°C (212°F).		
R0035	Motor temperature warning	The temperature of motor is over 100°C (212°F).		
R0036	EEPROM is not read after the firmware version is updated.	The temperature of motor is over 100°C (212°F).		
R0037	EEPROM is not read after setting P0-00 to 30 first, and then setting P2-00 to 28 next and restarting the servo drive.	The temperature of motor is over 100°C (212°F).		

- Press arrow up or down button to get to P4-00, P4-01, etc.
- Press SET button to see value.
- Hit MODE to get out of each parameter.
- Here is a list of all possible fault codes for the Delta servo drive.

