

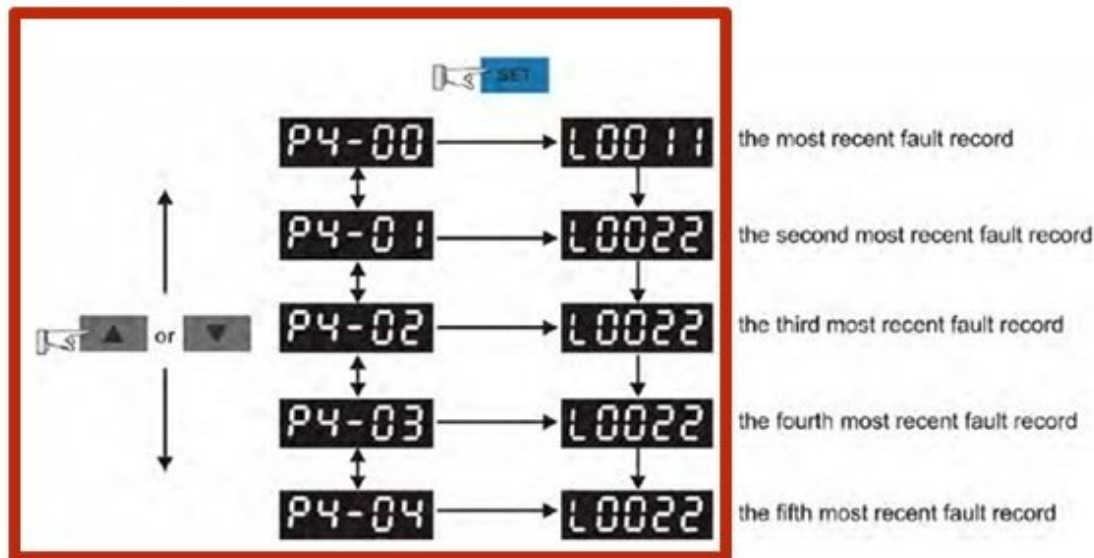


RX - How to Check Fault History of Delta Servo Drives

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Fault Code Display Operation

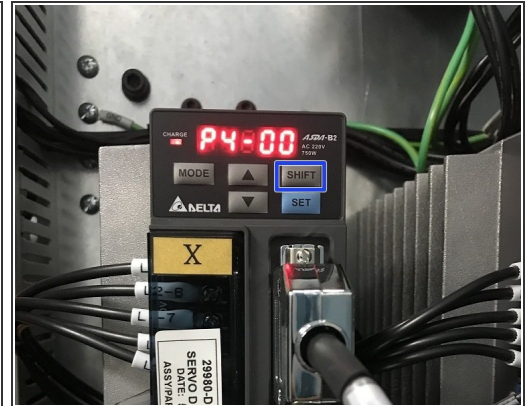
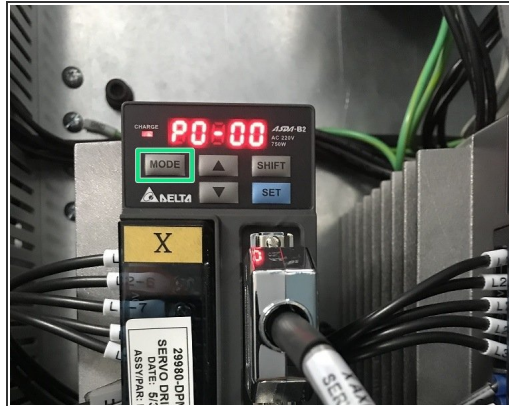
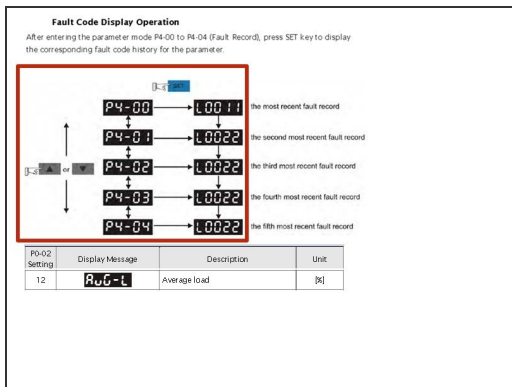
After entering the parameter mode P4-00 to P4-04 (Fault Record), press SET key to display the corresponding fault code history for the parameter.



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

INTRODUCTION

Step 1 — Navigating Delta Servo Drive



- 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.



Display	Fault Name	Fault Description	Display	Fault Name	Fault Description
R00-00	Overcurrent	Main circuit current is higher than 1.5 multiple of motor's rated current maximum current value.	R00-01	Overtemperature	The temperature of IGBT is over high.
R00-01	Overvoltage	Main circuit voltage has exceeded its maximum allowable value.	R00-02	Memory error	EEPROM write-in and readout is in error.
R00-02	Under-voltage	Main circuit voltage is belows minimum specified value.	R00-03	Encoder output error	The encoder output exceeds the rated output frequency.
R00-03	Motor error	The motor does not match the drive. They are not correctly matched for size (motor rating).	R00-04	Serial communication error	RS232-485 communication is in error.
R00-04	Regeneration error	Regeneration control operation is in error.	R00-05	Serial communication time out	RS232-485 communication time out.
R00-05	Overload	Servo motor and drive is overloaded.	R00-06	Power loss	Power loss.
R00-06	Over-speed	Motor's control speed exceeds the limit of normal speed.	R00-07	Input power phase loss	One phase of the input power is loss.
R00-07	Reversed phase (control command)	Input frequency of pulse command exceeds the limit of its allowable setting value.	R00-08	Pre-overload warning	To warn that the servo motor and drive is going to overload. This alarm will display before actual, when the servo motor reaches the setting value of P0-06, the motor will start a warning cycle time, after the drive has detected the warning, the DO signal "COP" will be activated and this fault message will display.
R00-08	Position deviation error	Position control deviation value exceeds the limit of its allowable setting value.	R00-09	Encoder input magnetic field error	The magnetic field of the encoder is in error. An internal counter error is detected.
R00-09	Encoder error	Pulse signal is in error.	R00-10	Encoder interval error	The interval memory of the encoder is in error.
R00-10	Adjustment error	Adjuster value exceeds the limit of its allowable setting value when perform electrical adjustment.	R00-11	Encoder data error	An encoder data error is detected for three times.
R00-11	Emergency stop activated	Emergency stop switch is activated.	R00-12	Encoder internal error	The setting value of the encoder is in error.
R00-12	Reverse limit switch error	Reverse limit switch is activated.	R00-13	Motor internal error	The encoder is in error.
R00-13	Forward limit switch error	Forward limit switch is activated.	R00-14	Motor internal error	The internal address of the encoder is in error.
R00-14	Encoder error	Pulse signal is in error.	R00-15	Motor protection error	In order to protect the motor, this alarm will be activated when the setting value of P0-07 is reached after a period of time set by P1-08.
R00-15	Encoder error	Pulse signal is in error.	R00-16	UV, VV, GND setting error	The wrong connections of U, V, W for the servo motor output and GND for grounding are in error.
R00-16	Encoder error	Pulse signal is in error.	R00-17	Motor temperature error	The servo motor temperature is over 100°C.
R00-17	Encoder error	Pulse signal is in error.	R00-18	Encoder error	The encoder output errors or output pulses exceed hardware tolerance.
R00-18	Encoder error	Pulse signal is in error.	R00-19	Motor temperature warning	The temperature of motor is over 80°C (180°F).
R00-19	Encoder error	Pulse signal is in error.	R00-20	EEPROM error	EEPROM is not read after the firmware version is upgraded. This fault can be cleared after setting P0-08 to 30 first, and then setting P0-08 to 28 next and restarting the servo drive.

- 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.

