

Servo Encoder Alarm Quick Sheet

What common encoder alarms usually point to, and what to check first. Codes and meanings vary by drive generation; confirm with your drive manual.

Fanuc

Alarm	Usual meaning	First check
SV0366	Pulse miss (internal)	Contamination, Pulsecoder
SV0367	Count miss (internal)	Disc or electronics
SV0368	Serial data error	Cable, connector, coolant
SV0369	Data transfer error	Shield, noise, pins
Battery low / zero	APC battery	Change battery with power on

Yaskawa Sigma

Alarm	Usual meaning	First check
A.810	Encoder backup error	Battery, set up absolute encoder
A.820	Encoder checksum error	Encoder memory
A.830	Absolute encoder battery error	Battery and cable
A.840	Encoder data error	Encoder or noise
A.850	Encoder overspeed	Shaft moving at power-up
A.860	Encoder overheated	Motor temperature
A.C90	Encoder communication error	Cable, connector, board

Mitsubishi MR-J

Alarm	Usual meaning	First check
AL.16	Encoder error at power-on	Cable, connector, encoder
AL.20	Encoder error during operation	Cable movement, noise
AL.25	Absolute position erased	Battery; re-home
AL.92	Battery cable disconnection	Battery connection
AL.9F	Battery warning	Replace battery soon

Checks for any brand

- Read the full alarm history.
- Swap or test the feedback cable; most intermittent alarms are cable faults.
- Look for coolant or oil in the connector and under the encoder cover.
- Measure encoder supply voltage at the motor end.
- Note when it happens: power-up, at speed, or when the cable moves.
- If the encoder was recently changed, suspect alignment or memory.

Need it tested, aligned or repaired? Send a photo of the motor nameplate and the encoder label on WhatsApp +91 97866 22233. Emergency same day where the fault and parts allow; urgent 3 working days; standard 7 working days. Printed test report with every motor.