

**(3) Absolute pulse coder (APC) alarm**

Number	Message	Contents
300	nth-axis origin return	Manual reference position return is required for the nth-axis (n=1 – 8).
301	APC alarm: nth-axis communication	nth-axis (n=1 – 8) APC communication error. Failure in data transmission Possible causes include a faulty APC, cable, or servo interface module.
302	APC alarm: nth-axis over time	nth-axis (n=1 – 8) APC overtime error. Failure in data transmission. Possible causes include a faulty APC, cable, or servo interface module.
303	APC alarm: nth-axis framing	nth-axis (n=1 – 8) APC framing error. Failure in data transmission. Possible causes include a faulty APC, cable, or servo interface module.
304	APC alarm: nth-axis parity	nth-axis (n=1 – 8) APC parity error. Failure in data transmission. Possible causes include a faulty APC, cable, or servo interface module.
305	APC alarm: nth-axis pulse error	nth-axis (n=1 – 8) APC pulse error alarm. APC alarm. APC or cable may be faulty.
306	APC alarm: nth-axis battery voltage 0	nth-axis (n=1 – 8) APC battery voltage has decreased to a low level so that the data cannot be held. APC alarm. Battery or cable may be faulty.
307	APC alarm: nth-axis battery low 1	nth-axis (n=1 – 8) axis APC battery voltage reaches a level where the battery must be renewed. APC alarm. Replace the battery.
308	APC alarm: nth-axis battery low 2	nth-axis (n=1 – 8) APC battery voltage has reached a level where the battery must be renewed (including when power is OFF). APC alarm .Replace battery.
309	APC ALARM: n AXIS ZRN IMPOSSIBL	Return to the origin has been attempted without first rotating the motor one or more times. Before returning to the origin, rotate the motor one or more times then turn off the power.