

4. TROUBLESHOOTING

4.1 7-SEGMENT DISPLAY

Servo alarms and warnings

**	Abbreviation	Name	Reset	Axis/Cm
10	UV	Under Voltage	PR	C
(11)	AE	Axis Error	AR	A
12	ME1	Memory Error 1	AR	C
13	CE	external Clock Error	PR	C
14	WD	Watch Dog error	PR	C
15	ME2	Memory Error 2	PR	A
16	RD	Rotor position Detect error	PR	A
17	BE	Board Error	PR	A
20	NS1	No Signal1 (main board)	PR	A
21	NS2	No Signal2 (add on board Enc)	PR	A
22	NS3	No Signal3 (add on board IX)	PR	A
24	PG	Phases Grounded detect	PR	C
25	BA	Battery Alarm	AR	C
(26)	NA	No control Axis error	PR	C
(27)	ICE	Internal Clock Error	PR	C
30	OR	Over Regeneration	PR	C
31	OS	Over Speed (2400/3600rpm)	PR	A
32	OC	Over Current	PR	A
33	OV	Over Voltage	PR	C
34	DP	Data Parity	PR	C
35	DE	Data Error	PR	A
36	TE	Transfer Error	PR	C
37	PE	Parameter Error (initialize)	PR	A
42	FE1	Feedback Error 1	PR	A
43	FE2	Feedback Error 2	PR	A
45	OEF	Fin Over Heat	NR	C
46	OEM	Motor Over Heat	NR	A
50	OL1	Over Load (250% Imin)	NR	A
51	OL2	Over Load (C.LIMIT 0.5sec)	NR	A
52	OD1	Over Droop 1	NR	A
53	OD2	Over Droop 2	NR	A
(54)	AOL	Amp Over Load	NR	C
55	EM	EMergency	NR	C
56	OA	Other Axis alarm	NR	C
57				
E0	WOR	Warning Over Regeneration	*	C
E1	WOL	Warning Over Load	*	A/C
E2				
E3	WAC	Warning Absolute Counter error	*	A
E4	WPE	Warning Parameter Error	*	A
E5	WAB	Warning Absolute detect error	*	A
E6	WOT	Warning Over Travel	*	A
E7	NCE	NC Emergency		C
A0	WAT	Warning Absolute first Transmission	*	A
A1	WAS	Warning Absolute Serial signal	*	A
A2	WAV	Warning Absolute battery Voltage	*	C
A3	WAN	Warning Absolute cable No connection	*	A
A4	WAP	Warning Absolute Position error	*	A
A5	WAR	Warning Absolute Resolver	*	A

Note 1) Reset: PR: When the NC power is turned off, the reset operation takes place.

NR: When the NC is reset, the reset becomes valid.

* : It shows a warnings rather than the servo OFF.

Note 2) Regarding Axis/Cm A: Alarm occurs at each axis, C: Common alarm within amplifier.

Note 3) Alarm No. in brackets indicates the alarm which exists only in MR-S12.