DESKLINE Control Boxes

CBD4 & CBD6S

Error Codes

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Error codes for CBD4 troubleshooting:

Error States	Name	Description	Potential Cause	Action
E08	Watchdog	Indicates that software failed to activate routine that checks calculations	Program fault Processor problems	Contact LINAK A/S
E09	Stack overflow	Indicates that software caused a stack overflow (infinite loop)	Program fault Processor problems	Contact LINAK A/S
E10	Short circuit	One of the motor outputs are short circuited	Squeezed motor cable Short in motor	Exchange cable or motor
E11	Double key pressed	Indicates that one or more key (s) are pressed on passive matrix – error on a control	Multiple keys pressed on 2 different handsets or squeezed control cable button constalling activated	
E12	Cable orientation	One motor cable is not mounted correctly	Motor cable plugged upside down Bad cable	
E13	Position error	One channel has position different then others	Too much back drive occurred	
E14	Power fail	Power fail happened	Mains missing	
E15	Channel mismatch	Change in number of actuators since initialization	Disconnection DL added	

Error codes for CBD4 troubleshooting cont:

E17	Channel 1 missing	Channel 1 is detected missing	Disconnection	
E18	Channel 2 missing	Channel 2 is detected missing	Disconnection	
E19	Channels 3 missing	Channel 3 is detected missing	Disconnection	
E20	Channel 1 type error	Channel1 is not same type as when initialized	Change in DL type	
E21	Channel 2 type error	Channel 2 is not same type as when initialized or not same type as channel 1	Change in DL type	If DL is not changed – failure in leg
E22	Channel 3 type error	Channel 3 is not same type as when initialized or not same type as channel 1		Change in DL type
E23	Channel 4 type error	Channel 4 is not same type as when initialized or not same type as channel 1	Change in DL type	
E24	Channel 1 pulse fail	Channel 1 had too many pulse errors	Loose/faulty cable Hall sensor PCB	Check cable connections change cable
E25	Channel 2 pulse fail	Channel 2 had too many pulse errors	Loose/faulty cable Hall sensor PCB	
E26	Channel 3 pulse fail	Channel 3 had too many pulse errors	Loose/faulty cable Hall sensor PCB	
E27	Channel 4 pulse fail	Channel 4 had too many pulse errors	Loose/faulty cable Hall sensor PCB	
E28	Channel 1 overload up	Overload up occurred on channel 1	Reached end stop	
E29	Channel 2 overload up	Overload up occurred on channel 2	Reached end stop Hit obstruction	
E30	Channel 3 overload up	Overload up occurred on channel 3	Reached end stop Hit obstruction	
E31	Channel 4 overload up	Overload up occurred on channel 4	Reached end stop Hit obstruction	
E32	Channel 1 overload down	Overload down occurred on channel 2	Reached end stop Hit obstruction	

E33	Channel 2 overload down	Overload down occurred on channel 2	Reached end stop Hit obstruction	
E34	Channel 3 overload down	Overload down occurred on channel 3	Reached end stop Hit obstruction	
E35	Channel 4 overload down	Overload down occurred on channel 4	Reached end stop Hit obstruction	
E36	Channel 1 anti collision	Anti collision triggered on channel 1	Hit obstruction	
E37	Channel 2 anti collision	Anti collision triggered on channel 2	Hit obstruction	
E38	Channel 3 anti collision	Anti collision triggered on channel 3	Hit obstruction	
E39	Channel 4 anti collision	Anti collision triggered on channel 4	Hit obstruction	
E 40	Channel 1 SLS	Safety limit switch activated on channel 1	Hit obstruction/hall failure	
E41	Channel 2 SLS	Safety limit switch activated on channel 2	Hit obstruction/hall failure	
E42	Channel 3 SLS	Safety limit switch activated on channel 3	Hit obstruction/hall failure	
E43	Channel 4 SLS	Safety limit switch activated on channel 4	Hit obstruction/hall failure	
E44	Channel 1 direction	Pulses counted wrong direction in channel 1	Motor poles are crossed Hall sensor cables are crossed	
E45	Channel 2 direction	Pulses counted wrong direction in channel 2	Motor poles are crossed Hall sensor cables are crossed	
E46	Channel 3 direction	Pulses counted wrong direction in channel 3	Motor poles are crossed Hall sensor cables are crossed	
E47	Channel 4 direction	Pulses counted wrong direction in channel 4	Motor poles are crossed Hall sensor cables are crossed	

Error codes for CBD6S troubleshooting:

Error code	Name	Description
8	Unexpected Reset	Unexpected reset caused by a software error or external reset
9	LIN error	An error occur on LIN bus
10	Power fail	Power fail occurred or power regulator adjusted below 10%
11	Channel count changed	Number of channels connected to system has changed since last initialisation
12	Position difference	Difference between minimum and maximum position of a reference has been exceeded
13	Short circuit	Short circuit has been detected while running
14	Checksum	Position checksum check failed, all channels has position lost
15	Power limit	System has reached its power limitation
16	Key error	Illegal key combination or change of keys
17	No Safety	Safety function has not allowed movement but input active
18	Missing initialisation plug	A special service tool is required to change number of channels to the system
23	Channel 1 missing	Actuator is missing
24	Channel 2 missing	
25	Channel 3 missing	
26	Channel 4 missing	
27	Channel 5 missing	
28	Channel 6 missing	
29	Channel 1 type	Actuator type has changed since initialisation, or detected wrong.
30	Channel 2 type	Actuator type has changed since initialisation, or detected wrong, or not same as first actuator.
31	Channel 3 type	
32	Channel 4 type	
33	Channel 5 type	
34	Channel 6 type	
35	Channel 1 pulse	Too many pulse errors.
36	Channel 2 pulse	
37	Channel 3 pulse	
38	Channel 4 pulse	
39	Channel 5 pulse	
40	Channel 6 pulse	
41	Channel 1 Overload up	Overload occur outwards
42	Channel 2 Overload up	
43	Channel 3 Overload up	
44	Channel 4 Overload up	
45	Channel 5 Overload up	
46	Channel 6 Overload up	
47	Channel 1 Overload down	Overload occur inwards
48	Channel 2 Overload down	
49	Channel 3 Overload down	
50	Channel 4 Overload down	
51	Channel 5 Overload down	
52	Channel 6 Overload down	

53	Channel 1 Anti-collision	Anti-collision limit has been exceeded
54	Channel 2 Anti-collision	
55	Channel 3 Anti-collision	
56	Channel 4 Anti-collision	
57	Channel 5 Anti-collision	
58	Channel 6 Anti-collision	
59	Channel 1 SLS activation	SLS input has been activated
60	Channel 2 SLS activation	
61	Channel 3 SLS activation	
62	Channel 4 SLS activation	
63	Channel 5 SLS activation	
64	Channel 6 SLS activation	
65	Channel 1B type	Type of port B of channel has been changed
66	Channel 2B type	
67	Channel 3B type	
68	Channel 4B type	
69	Channel 5B type	
70	Channel 6B type	
71	Channel 1A shorted	Short circuit detected on output
72	Channel 1B shorted	
73	Channel 2A shorted	
74	Channel 2B shorted	
75	Channel 3A shorted	
76	Channel 3B shorted	
77	Channel 4A shorted	
78	Channel 4B shorted	
79	Channel 5A shorted	
80	Channel 5B shorted	
81	Channel 6A shorted	
82	Channel 6B shorted	
83	Massage	Massage unit has been disconnected or failed
84	DC-out	DC unit has been disconnected or failed
85	Radio dead	Radio circuit has died and has had to be restarted
86	Master	Connection to master lost OR following messages are from master
87	Slave 1	Connection to 1st slave lost OR following messages are from 1st slave
88	Slave 2	Connection to 2nd slave lost OR following messages are from 2nd slave
89	Slave 3	Connection to 3rd slave lost OR following messages are from 3rd slave

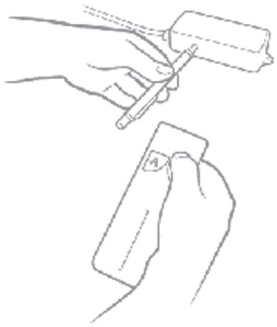
100	Forced initialisation reference 1	Forced initialisation initiated Note: is not transmitted in LIN bus
101	Forced initialisation reference 2	
102	Forced initialisation reference 3	
103	Forced initialisation reference 4	
104	Forced initialisation reference 5	
105	Forced initialisation reference 6	
106	Forced initialisation reference 7	
107	Forced initialisation reference 8	

For any further questions or concerns, please contact the LINAK Technical Department on 03 8796 9777 or your local sales representative.

MORE USEFUL RESOURCES

How to Sync your RF Controller

Activating the learning mode:
Activate the reset key on the RFR by using a pen or similar to keep the button pressed.



- Keeping the reset key activated; the RF handset must be activated by pressing a random key on the RF handset. The RF handset IDs are stored in the memory and at the same time, previous RF handset IDs are erased.
- After having activated the RF handset keys the reset key must be released.
- If no RF handset keys are activated during the matching procedure; no changes are made in the ID memory.
- Please be aware that other equipments (as e.g. doorbells), which use the 433 MHz can disturb the RF signal.

Every RF handset has its own 32 bit unique address and the RF protocol contains a check sum which ensures that only the handset that has been activated during the learning process can activate the system. No noise signal from other RF equipment can activate the system, but might prevent it from running depending on the signal strength of the noise signal.

The operation range for the HB10 is approx. 6 m, but depending on the surroundings where it is mounted it can be less. E.g. if the receiver is mounted in a cabinet along with other equipment.

The RF uses the frequency 433 MHz

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