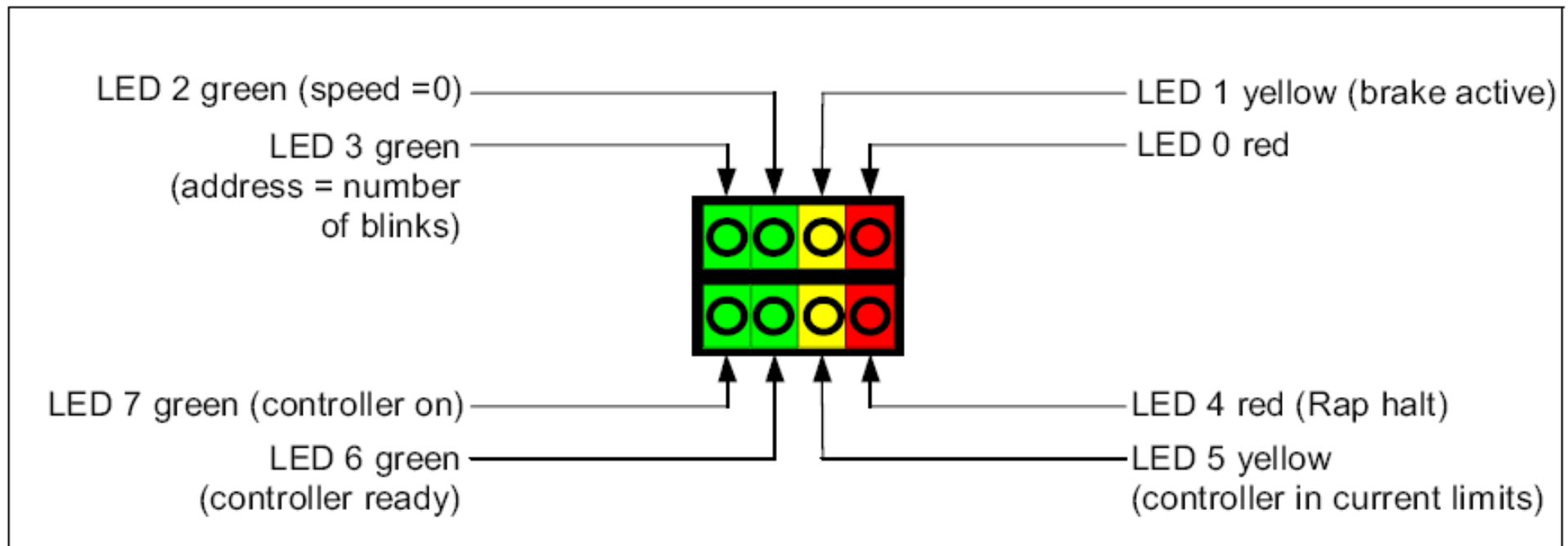




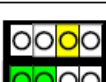
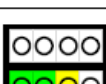








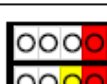
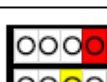
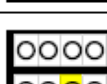
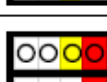

Delta Drive troubleshooting

The deltadrive contains a self-diagnosis and monitoring system that reacts to numerous errors that can occur during operation. Most errors are displayed on the front of the deltadrive on the LED display.



Delta Drive troubleshooting

| LED display | condition (LED on) |
|--|---|
|  | controller ready, LED 6 on speed = 0, LED 2 on |
|  | Station address, LED 3 blinking (number of blinks = address) LED 2,6 on |
|  | controller on, LED 7 on power section on LED 2,6 on |
|  | speed $\neq 0$, Motor turning LED 7,6 on |
|  | brake active, LED 1 on generator operation LED 7,6 on |
|  | current limit reached LED 5 on LED 7,6 on |
|  | Rap halt, LED 4 on motor stopped LED 2,6 on |

| LED display | error (LED blinking) |
|---|---|
|  | computer initialising LED 1 blinking |
|  | error on starting processor LED 1,5 blinking |
|  | DC bus link voltage too low or missing LED 0,1,5 blinking |
|  | DC bus link voltage too high (check braking power) LED 1,4,5 blinking |
|  | speed too high LED 4,5 blinking |
|  | Encoder error (check connection) LED 0,4,5 blinking |
|  | controller too long in current limits LED 0,5 blinking |
|  | position discrepancy error LED 5 blinking |
|  | application error LED 0,1,4 blinking |
|  | IGBT error (error in power section) LED 0,1,4,5 blinking |