

```

1      msg = OSMboxPend(blinkerMbox, timeout, &err);
2      param = (msg & MSG_MASK);
3      msg &= ~MSG_MASK;
4
5      switch(state)
6      {
7          /*
8           * BLINKER_STATE_IDLE
9           */
10         case BLINKER_STATE_IDLE:
11             switch(msg)
12             {
13                 case MSG_RUNNING:
14                     serial_puts("idle: set running lights\r\n");
15                     break;
16                 case MSG_START_BLINK:
17                     timeout = 80;
18                     state = BLINKER_STATE_INDICATORS_ON;
19                     serial_puts("idle: indicators on\r\n");
20                     break;
21             }
22             break;
23         /*
24          * BLINKER_STATE_INDICATORS_ON
25          */
26         case BLINKER_STATE_INDICATORS_ON:
27             switch(msg)
28             {
29                 case MSG_RUNNING:
30                     serial_puts("IND_ON: set running lights\r\n");
31                     break;
32                 case MSG_TIMEOUT:
33                     timeout=80;
34                     state = BLINKER_STATE_INDICATORS_OFF;
35                     serial_puts("IND_ON: indicators off\r\n");
36                     break;
37                 case MSG_STOP_BLINK:
38                     timeout=10;
39                     running=0;
40                     state = BLINKER_STATE_CHECK_RUNNING;
41                     serial_puts("IND_ON: indicators off\r\n");
42                     break;
43             }
44             break;
45         /*
46          * BLINKER_STATE_INDICATORS_OFF
47          */
48         case BLINKER_STATE_INDICATORS_OFF:
49             switch(msg)
50             {
51                 case MSG_RUNNING:
52                     serial_puts("IND_OFF: set running lights\r\n");
53                     break;
54                 case MSG_TIMEOUT:
55                     timeout=80;
56                     state = BLINKER_STATE_INDICATORS_ON;
57                     serial_puts("IND_OFF: indicators on\r\n");
58                     break;
59                 case MSG_STOP_BLINK:
60                     timeout=5;
61                     running=0;
62                     state = BLINKER_STATE_CHECK_RUNNING;
63                     serial_puts("IND_OFF: indicators off\r\n");
64                     break;
65             }
66             break;
67         default:
68             debug("Invalid state in blinkerTask\r\n");
69             break;
70     }
71

```