

Manual CAT-Control

After power-on → LED test

After Startup → Beep → Error LED ON (Error code = 99)

If you don't press the START Button within 3 minutes (confirm the startup), the CATControl switch to CAT-sensor mode and checks if an active cleaning cycle was interrupted by a power-down.

if NO goto :continue

if YES and settings „Tasklist after power-on if water is in the bowl“ is zero, goto :continue

if YES and cleaning cycle was interrupted during scooping -> start cycle with tasklist assigned to CAT-sensor mode

if YES and cleaning cycle was interrupted during washing or drying -> start cycle with tasklist entered in settings -> „Tasklist after power-on if water is in the bowl“

:continue

I. Modes

Standard Mode (CARTRIDGE-LED = off, CHILD-LOCK-LED = off)

AUTO Click → switch to program (1,2,3,4,CAT)

START Click → Start / Stop cleaning process

Service Mode (CARTRIDGE-LED = BLINKING)

(from standard mode)

AUTO Longpress + START DoubleClick → Enter service mode (stop cleaning program if running)

AUTO Click → Select output

1 = Drain pump

2 = Bowl

3 = Scooper

4 = Dryer

4 + 1 = Water

4 + 2 = Dosage pump

START Click → switch selected output (1, off, 2)

AUTO Longpress → Exit service mode → reset all outputs

START Longpress → Run into watchdog → all LED's ON → restart after 1 minute

Child Lock (CHILD-LOCK LED = ON)

(from standard mode)

AUTO + START Longpress → Childlock on

AUTO + START Longpress → Childlock off

Lock CATGenie (CARTRIDGE-LED = on)

(from standard mode)

START Double-Click to enable

START Double-Click to disable

If CATGenie is more than 1 hour locked, it will unlock automatically.

II. Error Display (ERROR LED = ON)

Error codes (1-7) are shown on the panel in binary form (LED1-LED4)

e.g. Error 1 = LED1, Error 7 = LED4+LED3

Error Codes:

- 1 Water sensor needs cleaning
- 2 Water in Bowl on start cleaning
- 3 Water discharge problem
- 4 Dryerfuse broken
- 5 Tasklist not 1-3
- 6 EEPROM tasklist error
- 9 Unknown error „doCATGenie()“
- 10 Unknown error „myCATGenie.startCleaning(tasklist)“
- 11 Error manually set by browser
- 12 Error manually set by MQTT
- 99 Power up

A clean watersensor should display an analog value between 50 and 100.

III. Erase Configuration parameter, tasklists and WEB-Page

Press AUTO and START button during LED-Test

-> Error LED goes ON

-> After EEPROM erased (about 10s) Error LED will flush

Power on/off or wait 60s for watchdog to restart the program with its default values.

IV. Tasklist

* Each tasklist must be a plain ASCII text file

* The first two lines must be

<CATGenie>

tasklist start 1

* the last line must be

tasklist end

* Descriptions have to start with „//“ (No discriptions allowed after a command !!!!)

// Comment

Max. 390 command lines are allowed per tasklist

Max. 5 tasklists are allowed

Possible commands

wait 0.6 (seconds)

bowl ccw

bowl cw

bowl stop

scopper up
scopper stop
scopper down

drainpump on
drainpump stop

dospump on
dospump stop

water on
water is on
water waitin 70 (seconds)
water stop
water waitout 1 (seconds)

dryer on
dryer stop

V. What should be improved

- validate tasklist file before download (java downloader)
- check max. web-page size before download (java downloader)