SISTEMA

TECHNICAL DEVELOPMENT CENTER

Bluetooth protocol, 13.10.2017
For Fish Feeder DOMOVOY V.4.0.2

Use protocol Bluetooth 2.0. Data transfer speed: 9600 bod. The data is transmitted by ASCII characters. End of line is character decimal code 10. After sending the command, the feeder returns a response specific to each command. Commands and answers are given below.

Time settings:

settime:*hh*:*mm*   *hh*-hour 00-24; *mm*-minutes 00-59
Possible responses:
    Error:timeHour is not valid
    Error:timeMin is not valid
    OK:time set

Feeding time settings:

setalarm*N*:*hh*:*mm*   *N*-feeding number 1-4; *hh*-hour 00-24; *mm*-minutes 00-59
Possible responses:
    Error:N is not valid
    Error:alHour is not valid
    Error:alMin is not valid
    OK:alarm set

Retraction settings:

setretraction:*N*   *N*- 0..1; 0 – do not use retraction; 1 – use retraction
Possible responses:
    Error:Retract can be 0 or 1
    OK:retraction set

Feeding dose settings:

setmotorturn:*NNN*   *NNN*- the number of revolutions of the screw 0..MaxTurn. MaxTurn=100
Possible responses:
    Error:Turn less or equal 0
    Error:Turn is too large
    OK:motorturn set

Test feeding mode:

motortest
Possible responses:
    OK:Test feeding

Request of current time:

gettime
Possible responses:
    OK:time: *hh*:*mm*:*ss*   *hh*-hour 00-24; *mm*-minutes 00-59; *ss*-seconds 00-59

Request of feeding time:

getalarmN
Possible responses:
    Error:N is not valid
    OK:alarm*N*:*hh*:*mm*   *N*-feeding number 1-4; *hh*-hour 00-24; *mm*-minutes 00-59

Request of retraction:

getretraction

Possible responses:

OK:retraction:*N*   *N*- 0..1; 0 – do not use retraction; 1 – use retraction

Request of feeding dose:

getmotorturn

Possible responses:

OK:motorturn:*NNN*   *NNN*- the number of revolutions of the screw 0..MaxTurn. MaxTurn=100