

## FM-Xxx3 device output control via SMS

Command to set digital OUT1 and OUT2 configuration: [password] **SETIO** [oc1],[oc2]

*oc1* – OUT1 configuration\*: 0 – connection to ground, 1 – no connection to ground

*oc2* – OUT2 configuration\*: 0 – connection to ground, 1 – no connection to ground

\* - Digital outputs on FM-Xxx3 device are open drain outputs, that basically are controlled connection to ground. If pull-up resistor (red) is added, then [ocX] state will define voltage level on output: ocX=0 means connection to ground on output; ocX=1 means high voltage (+V) on output (Fig 1.). Pull up resistor is not implemented in FM-Xxx3 device and is provided by user.

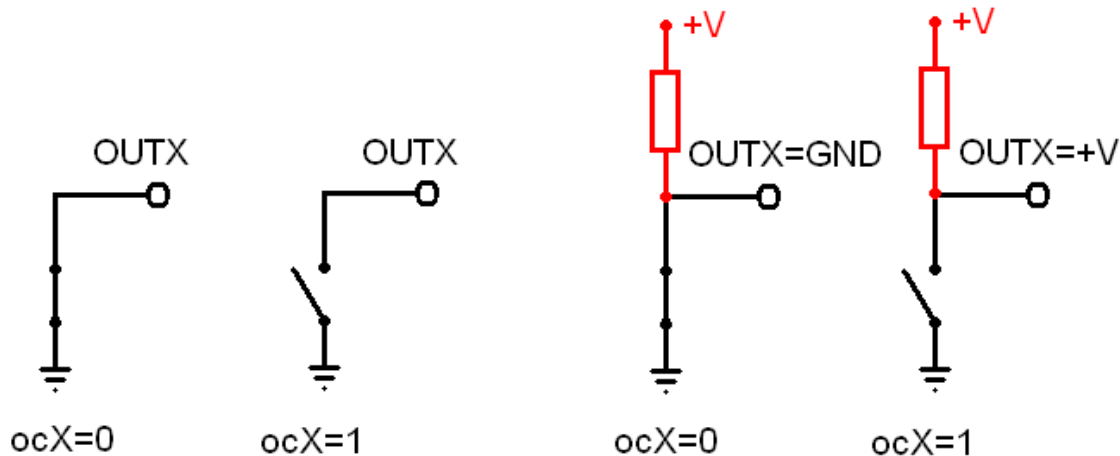


Fig 1. Explanation of output configuration

Answer: [configuration validity]

*SETIO configuration data ok* – good configuration

*SETIO configuration data incorrect* – invalid configuration

Example:

my\_Psw SETIO 1,0

*SETIO configuration data ok*

Command to get input and output configuration status counters: [password] **GETIO**

Answer:

DIN1=[di1],DIN2=[di2],DIN3=[di3],DIN4=[di4],DOUT1=[do1],DOUT2=[do2],AIN1=[ai1],AIN2=[ai2]

*di1* – digital input 1 state (0=low, 1=high);

*di2* – digital input 2 state (0=low, 1=high);

*di3* – digital input 3 state (0=low, 1=high);

*di4* – digital input 4 state (0=low, 1=high);

*do1* – digital output 1 state (0=connected to ground, 1=disconnected from ground (Fig. 1));

*do2* – digital output 2 state (0=connected to ground, 1=disconnected from ground (Fig. 1));

*ai1* – voltage on analog input1 in mV;

*ai2* – voltage on analog input1 in mV;

Example:

my\_Psw GETIO

DIN1=0,DIN2=1,DIN3=0,DIN4=1,DOUT1=0,DOUT2=1,AIN1=30123,AIN2=29999