

## COMMANDS

**1) Ping.** (Request status of relays, regulators, temperature transmitters, contacts,...)

**\*P,0,Group,Address;**

Group : 0 - F Hex  
Address: 00 – FF Hex

**2) Clear I/O.** (« OFF » output)

**\*C,0,Group,Address;**

Group : 0 - F Hex  
Address: 00 – FF Hex

**3) Toggle I/O.** (« TOGGLE » output : ON -> OFF / OFF -> ON)

**Notes :** When using Toggle the Master output will always respond with « **Set I/O** » or « **Clear I/O** »

**\*T,0,Group,Address;**

Group : 0 - F Hex  
Address: 00 – FF Hex

**4) Set I/O.** (« ON » output)

**\*S,0,Group,Address;**

Group : 0 - F Hex  
Address: 00 – FF Hex

**5) Data**

**\*A,0,Group,Address;      Followed by      \*Z,xdatabyte1;**

Group : 0 – F Hex  
Address: 00 – FF Hex  
Databyte: 00 – FF Hex  
x : 0 (no extra databytes)  
x : 1 (extra databytes untill x=0)

1 byte (% , °C, ...):

**\*A,0,Group,Address;\*Z,0databyte1;**

4 byte (Clock, 32-bit Counter,...):

**\*A,0,Group,Address;\*Z,1databyte1; \*Z,1databyte2; \*Z,1databyte3; \*Z,0databyte4;**

8 byte

**\*A,0,Group,Address;\*Z,databyte1; \*Z,1databyte2; \*Z,1databyte3; \*Z,1databyte4;  
\*Z,1databyte5; \*Z,1databyte6; \*Z,1databyte7; \*Z,0databyte8;**

**IMPORTANT:**

It is not allowed to send a command between a \*A,0,Group,Address; and a \*Z,xdatabyte; telegram. If you do so, all following \*Z,xdatabyte; will be lost. You have to wait to send that command after all \*Z,xdatabyte; telegrams have been received.

ALLOWED : \*A,0,Group,Address;\*Z,0databyte1;\*S,0,GroupX,AddressY;

NOT ALLOWED : \*A,0,Group,Address;\*S,0,GroupX,AddressY;\*Z,0databyte1;

## EXAMPLES

1) « ON » group 1 , address 21 :

**\*S,0,1,21;**

2) « OFF » group 1 , address 21 :

**\*C,0,1,21;**

3) « Light ON 34% » group 2 , address 2B :

**\*A,0,2,2B;**

**\*Z,057;**

0% = 00 Hex  $\longleftrightarrow$  100% = FF Hex

**57 Hex = 87 Dec. => ((100/255) x 87) = 34,1%**

4) Temperature requested : **11°C** group 3, address 38 :

**\*A,0,3,38;**

**\*Z,048;**

-25°C = 00 Hex  $\longleftrightarrow$  102,5°C = FF Hex

**48 Hex = 72 Dec. => (-25°C + ( 72 x (( 25+102,5°) / 255 )) = 11°C**

5) « Ping » Windspeed group 2, address 3 :

**\*A,0,2,03;**

**\*Z,023;**

0 km/h = 00 Hex  $\longleftrightarrow$  255 km/h = FF Hex

23hex = 35km/h

**48 Hex = 72 Dec. => (-25°C + ( 72 x (( 25+102,5°) / 255 )) = 11°C**

6) « Ping » light group 1, address 21 :

**\*P,0,1,21;**

**\*C,0,1,21;** (*reply from module*)

7) « Ping » dimmer group 2, address 2B :

**\*P,0,2,2B;**

**\*A,0,2,2B;** (*reply from module* )

**\*Z,057;**

## COM SETTINGS

Speed : **9600 bits/sec**

Data bits : **8**

Parity : **None**

Stop bits : **1**

Flow control RS232 : **Xon/Xoff**

Flow control TCP/IP : **request = \*u;**  
**ack = \*v;**  
**nack = \*x;**