DOSING BY CHARGE AT TWO SPEEDS WITH DAT

Once are configured all the basic parameters of the device (CONFIG, CALIBR and PARAM), lets continue configuring the IN-OUT menu, where we will configure the setpoints for the dosing.

Starting from the following example of dosing:
We have got a 75kg load cell capacity and we want to perform a 30kg scale with a 10gr division.
We will make 5kg dosing pots.
The CONFIG menu will be configured as follows:

CAPAC: 75 Kg
SENSIT: 2,000mV/V (If the load cell has a different sensibility, place the value or the average of the load cells values)
NET: 30 Kg (Live weight, max. product)
DEADL: 0 Kg (Structure's weight)
DSPDIV: 0,01 Kg = 10gr (Display divisions)
OPMODE: NET (Operating mode)

Press **PRG + SET** (PRG and hold and press SET) and get into the complete configuration menu, press the **↑ arrow** 3 times and we go to the **IN-OUT** menu.

IN-OUT

Press PRG

MODE 1……..Press PRG and the arrows (↑ y ↓) to set **NET, N.C, POS and NORMAL**. Once back to MODE 1
Press ↑

HYST 1…….. Press PRG and set the hysteresis (with the →0← button we change the digit and with the arrows change the value).
In our example we set 30gr value.

0000,03

Press PRG and then ↑

TIMER 1…….. Press PRG and set the time. After that time the output 1 will be disabled.
In our case is 0.

0,00

Press PRG and then ↑

DELAY 1…….. Press PRG and set the time. After that time the output 1 will be enabled.
In our case is 0.

0,00

Press PRG and then↑, go to MODE 2, to set relay 2

MODE 2…….. Press PRG and the arrows (↑ y ↓) to set **NET, N.C, POS and NORMAL**. Once back to MODE 2
Press ↑

HYST 2…….. (Continue in the next page)

HYST 2…….. Press PRG to set the hysteresis (with the →0← button we change the digit and with the arrows change the value).
In our example we have decided to set 30gr.

0000,03

Press PRG and then ↑

TIMER 2…….. Press PRG and set the time. After that time the output 2 will be disabled.
In our case is 0.

0,00

Press PRG and then ↑

DELAY 2…….. Press PRG and set the time. After that time the output 1 will be enabled.
In our case is 0.

0,00

Press PRG and →0←, go back to the IN-OUT menu.

IN-OUT…….. **Press →0←** the display will show us STORE? , press PRG and go out from the menu, now we are in weight mode.

The changes have stored. Now, **from the main screen** we will set the setpoints.

Main Screen

Press SET

SET 1…….. Press PRG and set the setpoint for the relay 1 (FINE)
In our case is 5,00.

5,00

Press PRG and then ↑

SET 2…….. Press PRG and set the setpoint for the relay 2 (COARSE)
In our case is 4,00.

4,00

Press PRG and then →0← , go out from the menu, now we are in weight mode.

IMPORTANT: We should keep in mind that surely we will have to modify the setpoint value, I mean, we have to set a value below the setpoint we want to dose, to compensate the delay between the closing valves, the inflight material and the weight of the scale.

Finally we have to perform the following wiring to define the start and the end of the dosing with two push buttons.