

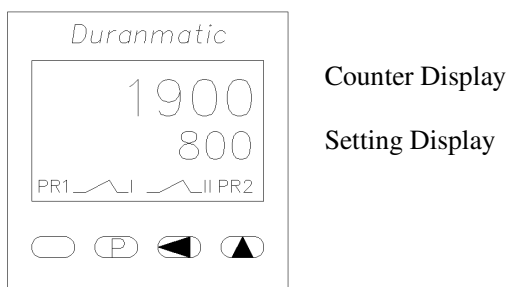
## 1.0 HYDRODECK: SETTING THE END POSITION.

### 1.1 OPERATION.

The wireless sensors on the motor generate pulses, which are counted by the microcomputer. When "rolling up" the pulses are **added**, when "unrolling" the pulses are **detracted**. Setting the counter readings on the DIGITAL DISPLAY serves to establish the end positions. The microcomputer has two relay outputs:

- I = end position for unrolling. Pool closed.
- II = end position for rolling up. Pool open.

### 1.2 SETTING.



Red button: No function.

P : 1x Endposition I (PR 1)  
2x Endposition II (PR 2)

← : Selecting the digit to be changed.  
↑ : Changing the digit.

### 1.3 PROCEDURE.

1. Connect the motor according to the diagram.
2. Power up and read the initial value on the **counter display** (let's say 000100).
3. Now programme **end position I (output I)** on the **setting display** with a lesser value than the initial value (eg 000050).
4. Then programme **end position II (output II)** of rolling up on the **setting display** with a higher number (eg 0001000) than the initial value.
5. Do a test run and check whether the counter is ADDing when rolling UP and DEtracting when UNrolling. If this is wrong, exchange terminals U and V or V and V(24V) of the motor connections. Check, whether the motor swithes off when reaching the programmed number. If not the following situations are possible:

**Situation:**

**Change:**

A. Counting direction fault. - Switching off correct.

42V: - Change U and V  
- Change 3 en 4

24V: - Change W and W  
- Change 3 and 4

12V: - Change T2 and T3  
- Change 3 en 4

B. Counting direction fault. - Switching off fault.

42V: - Change 3 and 4

24V: - Change 3 and 4

12V: - Change 3 and 4

C. Counting direction right. - Switching off fault.

42V: - Change U and V

24V: - Change W and W

12V: - Change 3 and 4

6. Fix the slats to the tube ( see 2.1.).
7. Unroll the **Hydrodeck** far enough to reach the correct end position. Now note the reading of the **counter display** and set **end position I** on the **setting display** accordingly.
8. Roll up the **Hydrodeck** far enough to reach the correct end position. Again note the reading of the **counter display** and set **end position II** on the **setting display** accordingly.
9. **Test its operation.**

**NOTE :**

- Set values remain for 10 years after a power failure.
- Negative counting isn't possible. Once the rolled up poolcover has reached position zero, it cannot be unrolled any further. To solve: see step 5 (change counting direction).