

# Technical Information:

ProMinent Fluid Controls Ltd.



**Date: March 01 2004**

**Subject: D1C - New Relay Functions**

**Product: D1C**

**Category: Firmware FW 5.00**

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ProMinent HD have released the latest Firmware Version FW 5.00 for the D1C controllers.

With this release, the following 3 possibilities are realized.

## **Limit relays:**

Selection of the switching direction. You can select between a normally open or a normally closed contact for the limit condition.

## **Timer:**

For each limit relay a timer can be set. The possible Cycle Time is up to 240 hours in hour steps. The On – Time is adjustable from 1 ... 60 min. At the end of the Cycle time, the D1C closes the activated timer relay for the pre-selected On –time. A Pause input to the D1C will stop the timer which will continue after removal of the Pause input.

With a power loss, the Cycle starts at the beginning.

If the “clock” symbol appears in the LCD display, the timer can be reset with the “enter” key; the timer jumps to the beginning of the cycle.

The %-indication in the LCD display shows the current progress of the cycle.

Application example: H2O2 dosing in swimming pools together with D1Ca pH, sensor cleaning,...

## **Limits:**

If limits are exceeded for a variable adjustable checkout time the control output stops. With this feature an overdosing of chemical can be avoided.

If you need more information on these functions, please contact the Tech Dept.