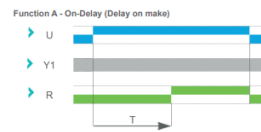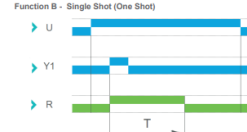# Multifunction Timer

Millenium Slim can be used as multifunction timer, in this example you can find the next functions :
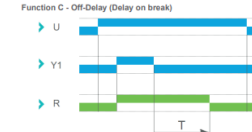
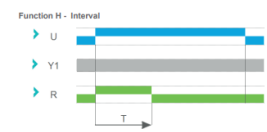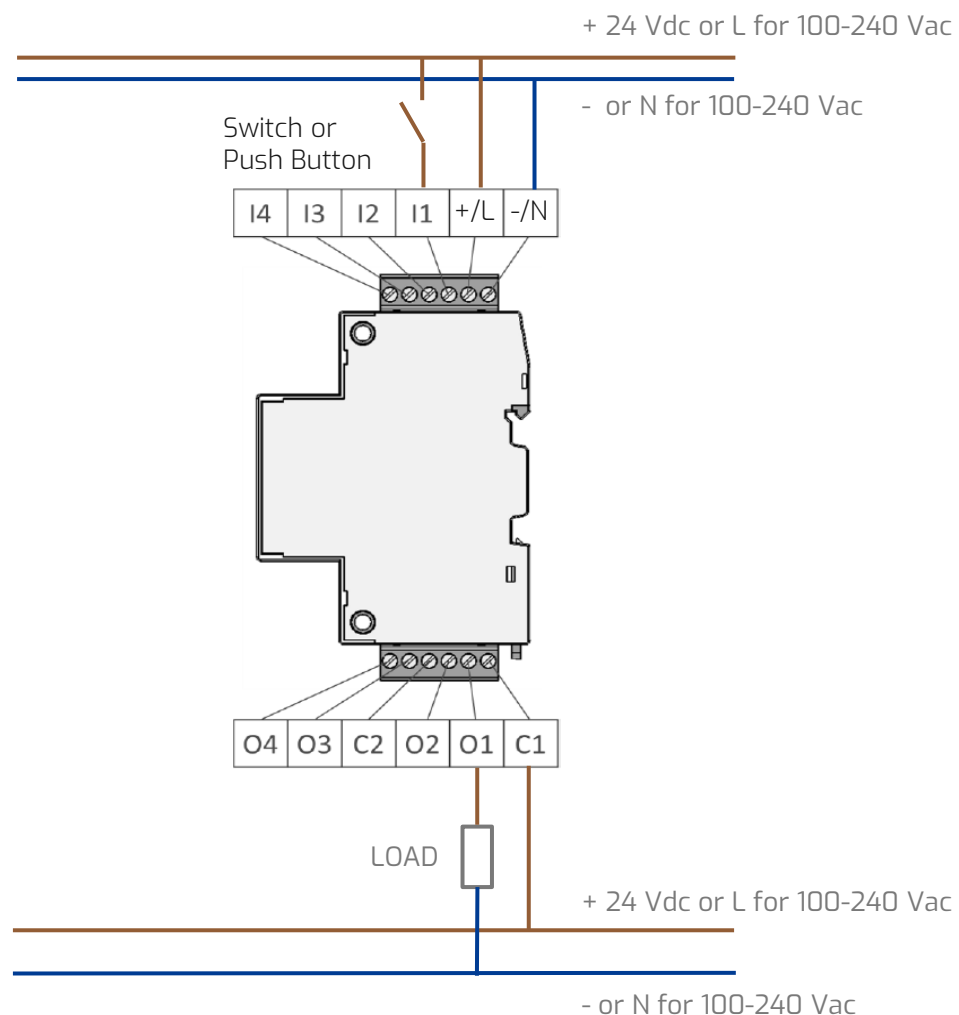A (ON-Delay)   B (One Shot),   C (OFF-Delay)   H (Interval)

Wiring Diagram

+ 24 Vdc or L for 100-240 Vac

- or N for 100-240 Vac

Switch or Push Button

| I4 | I3 | I2 | I1 | +/L | -/N |

| O4 | O3 | C2 | O2 | O1 | C1 |

LOAD

+ 24 Vdc or L for 100-240 Vac

- or N for 100-240 Vac

Components List

› **1x MilleniumSlim** Logic Controller, part numbers available:

88983903   88983901   88983902

› **1x 24 VDC Power supply** if a 24 VDC version of Millenium Slim is used. Crouzet recommended part numbers:

89451001   89451003   89451006   89451010

› **1x Switch or Push button,** normally open contact (If the timer needs to start when the power supply is switched on, wire I1 directly to + 24 VDC or L)

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Configuration Trough Virtual Display

Once we connect the supply of our Millenium Slim, you can transfer the base program via your laptop or using the Crouzet **Virtual Display** app

Virtual Display

Visualize and manage your controller at a distance:
› View and change parameters
› Read & write programs
› Download Datalog
› Firmware update

Download it here for FREE!

- By pressing the B button, you can cycle between the different functions.

- For each function the delay can be set using the OK button and the + / - buttons.

- Press OK and the +/- when the value is flashing. Press OK again to confirm the entered value.

- Once the time has been set, to enable the function press the button A.

- To start the timer, connect a switch or pushbutton to input I1.

- I1 can be connected to power supply if you want the timer to start each time the product is switched on.

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Software & Program
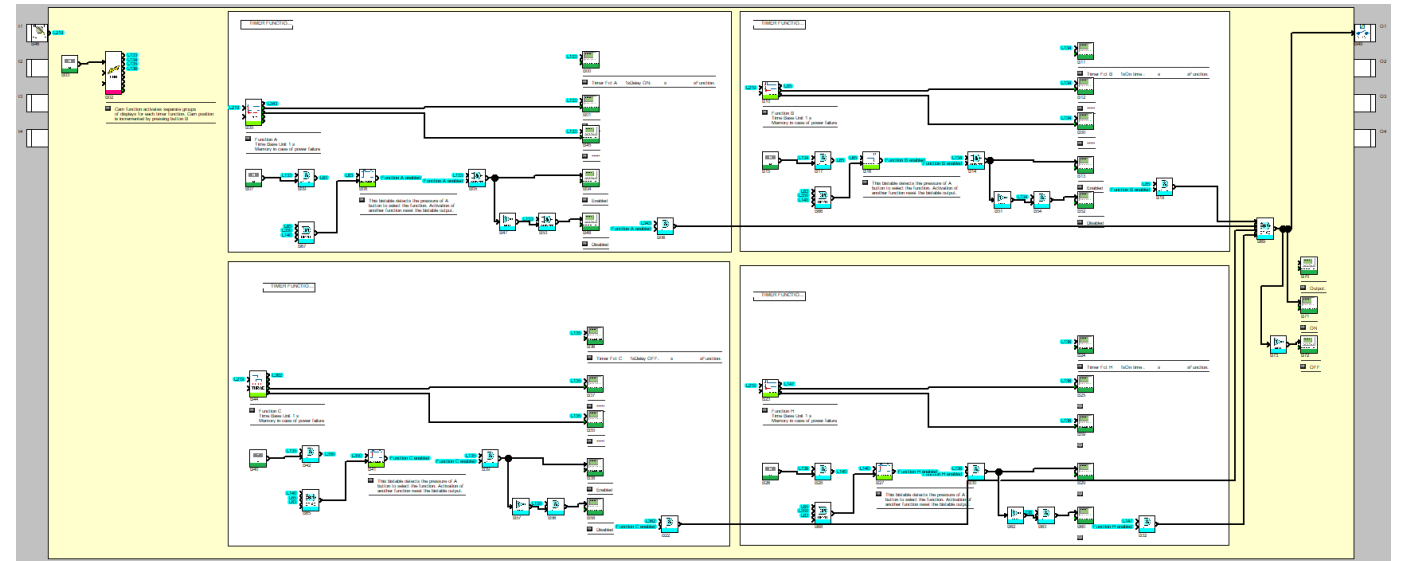
If you need to adapt and modify the program of the application, you can open the given PCS program file with the **Crouzet Soft** Software Workshop

Crouzet Soft
> Easiest and most intuitive visual programming software
> Pre-programmed application blocks like pump management, flow control, liquid level and many more

Download it here for FREE!

- This program allows to use the Millenium Slim as a multifunction timer for functions A,B,C,H.

- The explanation of the differents parts of the diagram can be found inside the program

Warning and Disclaimer of Liability

Example Program without Liability

General Warning

Unsafe operating conditions can cause controllers to fail, resulting in unchecked operation of controlled devices. Such hazardous events can cause death and/or serious injury and/or material damage. You must therefore provide an emergency stop function and electric or other redundant safety devices that are independent of your automation system.

Disclaimer of Liability

The services provided by Crouzet in the assistance of PLC programming, construction of pneumatic logic diagrams or circuits, or other programmatic activities are for demonstration purposes only. Crouzet makes no representation as to the accuracy of the programming and no warranty, express or implied, is to be created by the providing of such service.

Users are solely responsible for the correct operation of their Millenium Slim systems. This program does not relieve you of the obligation to observe safe practices during implementation, installation, operation, and maintenance.

By using this example program created by Crouzet, you acknowledge that Crouzet cannot under any circumstances be held liable for any possible personal injury or material damage resulting from the use of this program.

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