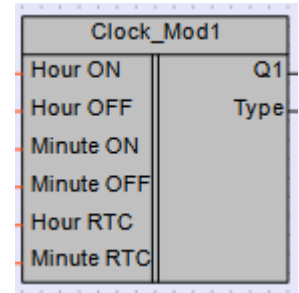


Clock Modifiable

Clock_Mod

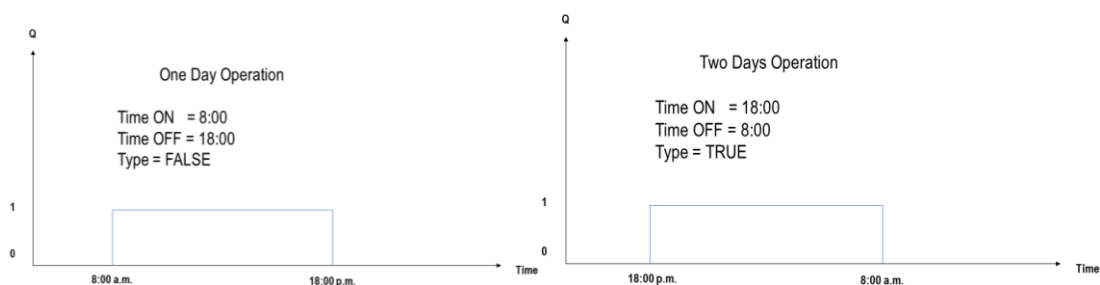


Input	Data type	Description	Range
Hour ON	INT	Hour to switch on	0...23
Hour OFF	INT	Hour to switch off	0...23
Minute ON	INT	Minute to switch on	0...59
Minute OFF	INT	Minute to switch off	0...59
Hour RTC	INT (Service Variable)	Hour in Real Time Clock	0...23
Minute RTC	INT (Service Variable)	Minute in Real Time Clock	0...59
Output	Data type	Description	Range
Q1	BOOL	Output	
Type	BOOL	Indication of the duration of the clock 0 = one-day operation (Switch on and off on the same day) 1 = two-days operation (Switch on and off on two consecutive days)	

Function

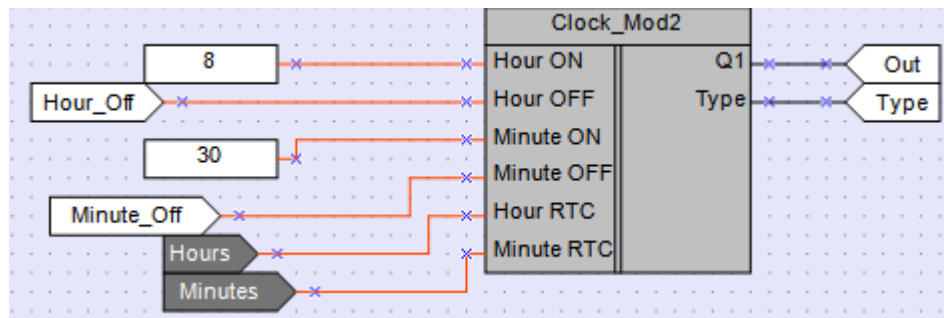
By using this Macro, the user can set the Switch-On and Switch-Off time using variables (not possible with FB Clock).

- The inputs "Hour RTC" and "Minute RTC" have to be connected to the service variable "Hour" and "Minute" (See Example).
- To set the Switch-on time the values have to be written on the variables "Hour ON" and Minute ON" using a 24-Hour Clock format (Hour: 0...23, Minute: 0...59).
- To set the Switch-off time the values have to be written on the variables "Hour OFF" and Minute OFF" using a 24-Hour Clock format (Hour: 0...23, Minute: 0...59).
- The output "type" can be used in a logic circuit, for example in combination with Day_Week macro (please refer to our online database and our example project "Modifiable Week Clock"). One-day operation means that the switch-on time and the switch-off time occur on the same day. In case of the two-days operation the switch-on start the day before and the switch-off occurs the next day, for example Time ON: 18:00 p.m. and Time OFF: 08:00 a.m.



Programming environment akYtec ALP

Example:



In this example, the Switch-on time will be considered as constant. The inputs “Hour RTC” and “Minute RTC” have to be connected to the service variable “Hours” and “Minutes”.

The Switch-off time will be set using variables. These variables could be modified for instance through the display.

S w i t c h O F F T i m e									
T i m e :		0	0	:	0	0			

Properties Ein-/Ausgabe (INT/REAL)1	
Bereich	
Kontrolle	Yes
Max	23
Min	0
Koordinaten	
X:	0
Y:	2
Parameter	
Variable	[Hour OFF]
Variablentyp	INT
Stellen	2
nach Komma	0
Text davor	Hour OFF
Text danach	
Sofort anwenden	No
Änderbar	Yes
Länge	11

Properties Ein-/Ausgabe (INT/REAL)4	
Bereich	
Kontrolle	Yes
Max	59
Min	0
Koordinaten	
X:	0
Y:	4
Parameter	
Variable	[Minute OFF]
Variablentyp	INT
Stellen	2
nach Komma	0
Text davor	Min OFF
Text danach	
Sofort anwenden	No
Änderbar	Yes
Länge	11

Devices	PR200
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