

## Instruction Manual Plug in Digital Time Switch



### Safety precautions

- The connection and installation of electrical devices may only be carried out by a qualified electrician.
- Interventions in and changes to the device result in the voiding of the warranty claim.
- Observe your national regulations and the respective safety provisions.
- Switch-off commands have priority over switch-on commands.



Setting of this programmable timer is depending of the user preference to use pre-set programs or defining own programming.

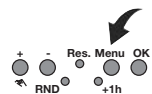
### Using Pre-set programs (first time installation)



Using **Reset** key you can adjust the following values:

- 24h or am/pm
- Time (hour and minutes)
- Week day
- Pre-set programs P01 to P03

### User defined programming by Menu mode

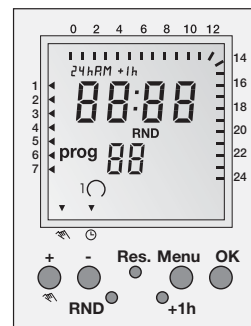


Using **Menu** key you can adjust / review the following values:

- 24h or am/pm
- Time (hour and minutes)
- Week day
- Programs P--

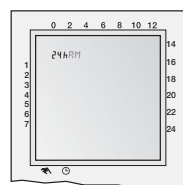


- I** : Overview of daily switching program
- 24h AM** : Setting of 24h or am/pm
- +1h** : Summer/winter clock changes
- ◀** : Weekday display
- Ⓞ** : Switching status display ON/OFF
- Ⓢ** : Manual operation / fixed ON / fixed OFF
- Ⓢ** : Automatic operation
- +/-** : Adjustment keys:  
By pressing the key longer than 2 sec. you can adjust the timer in steps of 5 units
- Res.** : Reset
- Menu** : By pressing the menu key programming is terminated and the system reverts to automatic operation
- OK** : Confirmation of programming
- RND** : Random function



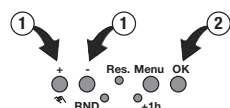
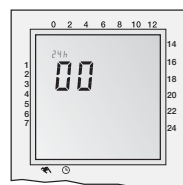
Sequence to follow after selecting programming by pre-set programs or Menu mode.

### Set display format 24h or am/pm



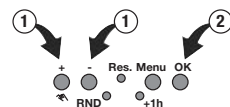
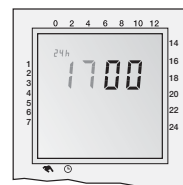
Select 24h or am/pm (+/-) and confirm with **OK**.

### Set hour



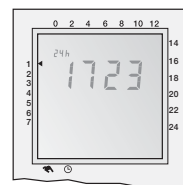
Select hour (+/-) and confirm with **OK**.

### Set minutes



Select minutes (+/-) and confirm with **OK**.

### Set week day



Select week day (+/-) and confirm with **OK**.

- 1 = Monday
- 2 = Tuesday
- 3 = Wednesday
- 4 = Thursday
- 5 = Friday
- 6 = Saturday
- 7 = Sunday



### Technical Data

|                         |                                        |
|-------------------------|----------------------------------------|
| Supply voltage          | see inprint on device                  |
| Switching capacity      | see inprint on device                  |
| Ambient temperature     | -10°C to +55°C                         |
| Protection class        | IP 51 electronic<br>IP 20 terminal box |
| Accuracy                | +/- 1/sec day at 20°C                  |
| Reserve power           | 3 years from factory at +20°C          |
| Shortest switching time | 1 min                                  |
| Memory spaces           | 20                                     |



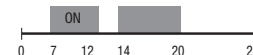
### Programs P01-03

The switching on and off times for programs P01 to P03 are preset (pre). The user can change these programs.

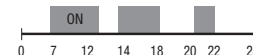
#### P01: Mo - Su, 1 x ON/OFF



#### P02: Mo - Su, 2 x ON/OFF



#### P03: Mo - Su, 3 x ON/OFF



### Individual program, P--

Under the menu option P-- you have the option of creating a user-defined program.

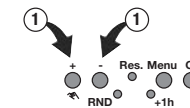
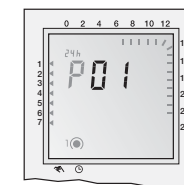
This program can be changed at any time. There are up to 20 memory locations available for 10 OFF and 10 ON commands.

You can allocate a corresponding weekday or week block to each memory location.

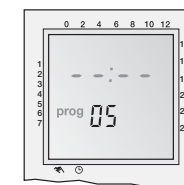
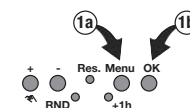
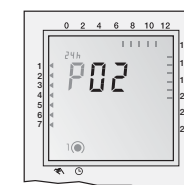


### Selecting pre-set programs P01 to P03

Sequence to follow after setting time in the Reset mode.



Select pre-set program (+/-).



Once selected the program desired there are following options:

**Menu**  
terminate programming

**OK**  
Going through pre-set programs to modify selection (any program ON or OFF can be modified by using "+" or "-" keys and confirming with **OK**) or accept it with **OK** key to go to the next free memory location in order to add new user defined programs.

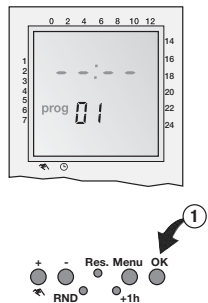
e.g. after selecting P02 you should also program:  
Sa-Su 22:30 ON (prog05)  
23:00 OFF (prog06)

## P-- prog

### User defined programs

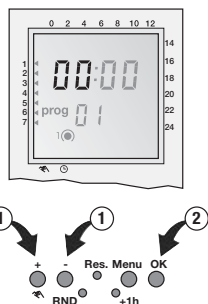
Sequence to follow after setting time and week day while running Menu mode or adding programs to the pre-set P01 to P03.

#### Select program ON



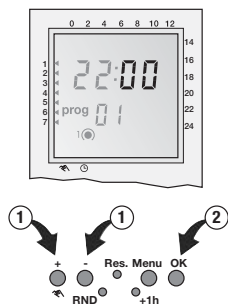
and confirm with **OK**.

#### Set hour ON



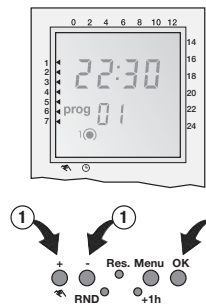
Select hour (+/-) and confirm with **OK**.

#### Set minutes ON



Select minutes (+/-) and confirm with **OK**.

### Set week day ON

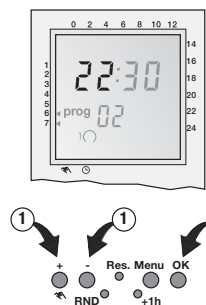


Select week day (+/-) and confirm with **OK**.

#### Possible week blocks and individual days

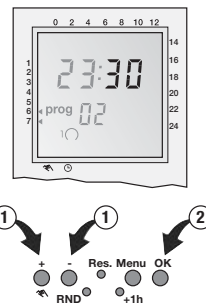
|   | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| 1 | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| 2 | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| 3 | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| 4 | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| 5 | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| 6 | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| 7 | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |

#### Set hour OFF



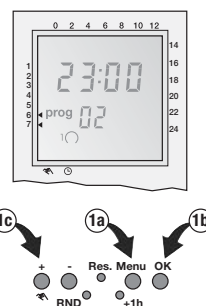
Select hour (+/-) and confirm with **OK**.

### Set minutes OFF



Select minutes (+/-) and confirm with **OK**.

#### Set week day OFF



Should the OFF command be the same day of ON command then select **Menu** to terminate programming or select **OK** to go to a new program ON setting.

#### Shift

Should the OFF command be the following day of ON command then select **+** key then select **Menu** or **OK**.

#### Example:

##### Mo-Fr

20:00 p.m. - 03:00 a.m. ON

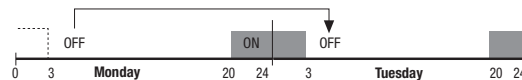
03:00 a.m. - 20:00 p.m. OFF

##### → Mo-Fr

20:00 p.m. - 03:00 a.m. ON

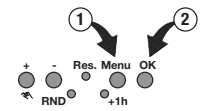
##### Tu-Sa

03:00 a.m. - 20:00 p.m. OFF



## del

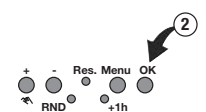
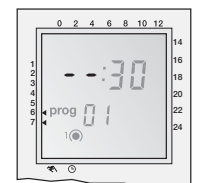
### Deleting programs



Select **Menu**, then select **OK** key until getting onto the ON time of the program you want to delete.



Select "--" with (+/-) key and confirm with **OK**.



#### Note:

Switching programmes are deleted in ON-OFF pairs. If you delete a single ON instruction, the corresponding OFF instruction is also deleted.

## +1h

### Summer/winter time

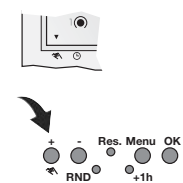
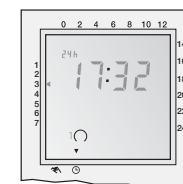


The **+1h** key is for the changeover from summer to winter time.

- By pressing the **+1h** key 1 hour is added to the current time.
- +1h is shown on the display.
- By pressing **+1h** again 1 hour is subtracted from the current time.



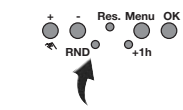
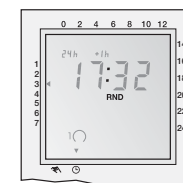
### Automatic operation / fixed ON / fixed OFF



The "+" key serves to change over between automatic ☉, fixed ON ☀ and fixed OFF ☁ operations.

## RND

### Random function



Press **RND** key to execute random program. RND appears in the display.

To deactivate random program press **RND** key, RND disappears from display.

#### Note

Random function only possible when timer is connected to power.