

Revision: 1.01

<https://iot-portal.com> Yes

<https://iot-portal.com/app> Yes

Mobile: Yes

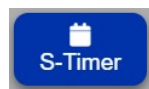
Desktop: Yes

### Server Timer (S-Timer)

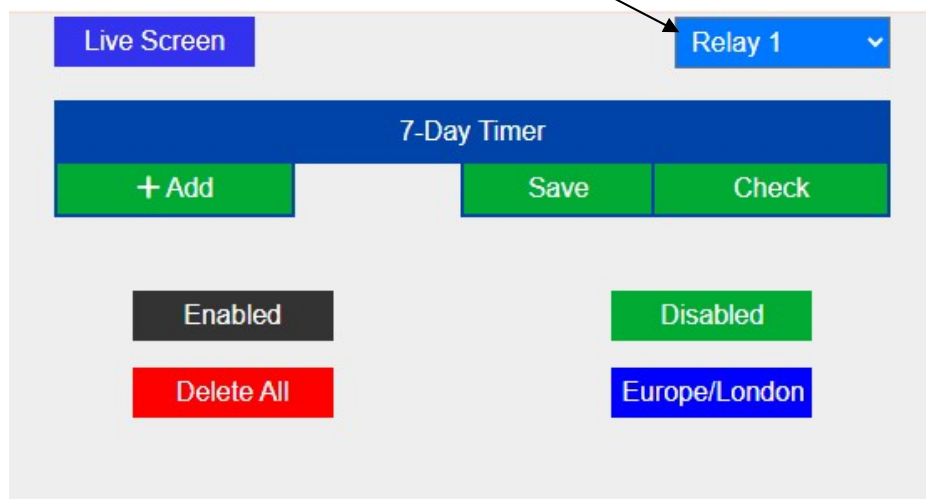
The IoT Portal Server Timer allows for complex timed control of wireless and onboard output devices. The start and stop periods are generated by the portal and are actioned remotely via the VPN connection. There is a local timer onboard the device which derives its clock from the mobile network. Whilst this does not require an active VPN connection to the portal, the clock is often incorrect during the summer months due to variations in how the networks present the time to the device. Therefore, the remote server timer is generally more reliable and offers more features such as public holiday exclusions.

### Operation

The S-Timer can be accessed via the Live Screen by clicking on 'Tools' and the 'S-Timer' button. It can also be accessed by clicking the clock icon on the individual output devices.



If the S-Timer button was clicked, ensure the correct output device is being controller by selecting it from the drop-down menu in the top right corner of the screen. If the clock icon on the individual output was used, the correct device should already be selected.



Each output device can have multiple active time periods. A time period is added by clicking the +Add button. This brings up a new 7-day schedule. For multiple operations on the same day, keep adding time periods with the +Add button.

Times may be entered fully (i.e. 10:00), without the colon (i.e. 1000) or as just minutes past midnight (i.e. 12 for 00:12 or 112 for 01:12).

The image below shows each weekday is set to have 2 active periods (07:00 to 09:00 and 17:00 to 19:00). Each period can be selected to exclude public holidays independently. Hover the pointer over the 'Exclude Holidays' checkbox to see which holidays are included.

Timer

☐ Exclude UK Holidays

Copy

25 August Monday

25 December Thursday

26 December Friday Boxing Day

Erase

Copy

Erase

Multiple periods can be added each day.

7-Day Timer

	Start	Stop	Exclude UK Holidays	
Mon	1700	1900	Copy	Erase
Tue	1700	1900	Copy	Erase
Wed	1700	1900	Copy	Erase
Thu	1700	1900	Copy	Erase
Fri	1700	1900	Copy	Erase
Sat	1700	1900	Copy	Erase
Sun	1700	1900	Copy	Erase

	Start	Stop	Exclude UK Holidays	
Mon	0700	0900	Copy	Erase
Tue	0700	0900	Copy	Erase
Wed	0700	0900	Copy	Erase
Thu	0700	0900	Copy	Erase
Fri	0700	0900	Copy	Erase
Sat			Copy	Erase
Sun			Copy	Erase

+ Add

Save

Check

Whilst complete periods where the output is switched 'on' at the Start time and switched 'off' at the Stop time, incomplete times may also be entered such as below:

Mon	06:00		
Tue		2200	

The above would see the output switched 'on' at 6am on a Monday and turned off at 10pm on Tuesdays. In between these times, any number of manual or timed activations can take place. However, the start action will be attempted at 6am on a Monday and the off action will be attempted at 10pm on Tuesdays.

This can be used to ensure gates are always shut at the end of the day or mains equipment is shut off after people have left the building.

## Time zone

Currently 2 time zones are available – UK Time (GMT/BST) and Europe Time (CET/CEST). The time zone is set on the Live Screen by selecting the language from the drop-down box:

