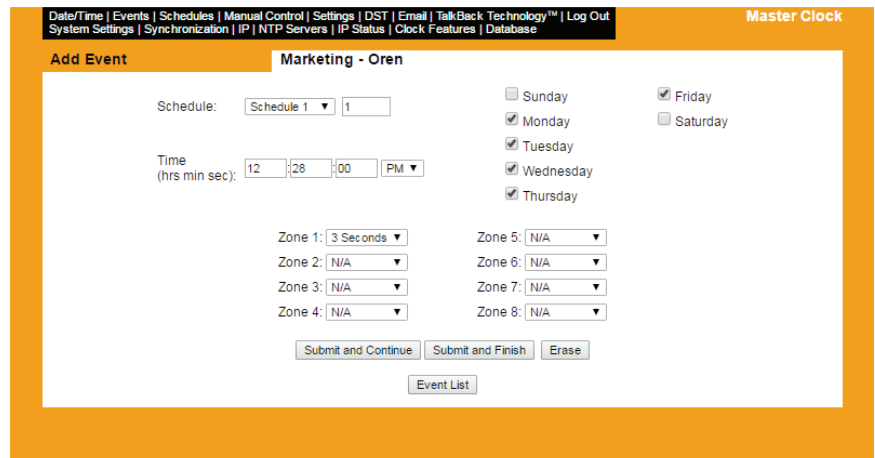


Master Clock Programmable Relays for Bells/Tone Generator & Other Systems

Sapling offers various master clock models to provide reliable and cost effective solutions that accommodate a wide range of project requirements. While the main function of the master clock within a synchronized clock system is to provide accurate time data to all secondary clocks in the system, in some cases the master clock may have optional upgrades that allow additional capabilities.

Sapling Master Clocks may incorporate just one or multiple optional upgrades depending on a facility's needs. Some facilities require the ability to control third party systems via a contact closure in order to run efficiently and on time. For this, Sapling offers a master clock with programmable relays.



The screenshot shows the 'Add Event' form in the Sapling Master Clock web interface. The form is titled 'Marketing - Oren' and includes the following fields and options:

- Schedule:** A dropdown menu set to 'Schedule 1' and a numeric input field set to '1'.
- Time (hrs min sec):** Input fields for hours (12), minutes (:28), seconds (:00), and a time zone dropdown set to 'PM'.
- Days:** Checkboxes for Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, and Saturday. Friday is checked.
- Zones:** Eight dropdown menus labeled 'Zone 1' through 'Zone 8'. Zone 1 is set to '3 Seconds', and Zones 2 through 8 are set to 'N/A'.
- Buttons:** 'Submit and Continue', 'Submit and Finish', 'Erase', and 'Event List'.

What is a Master Clock with Programmable Relays?

Programmable relays are compatible with Sapling's 3000 Series Master Clock (3000, 6000 or 8000 SMA models), which can be offered with either four or eight programmable relays.

Sapling's Master Clock may control third party systems such as: bells, lights, heating, ventilation & air conditioning, as well as other systems. The interface is done via a contact closure between the programmable relays in the master clock and the third party system.

The user has the ability to set a preprogrammed schedule, or manually trigger the programmable relays. Programming the relays when to go ON or OFF can be easily done using the master clock built-in web interface or the keypad located on the front panel of the master clock. For example, a user can set the relay to trigger a school bell system / tone generator every day from Monday until Friday at: 9:00 am, 11:00 am, 12:30 pm, 1:00 pm, and 3:00 pm. The user can also set the duration of the relay activation. This is explained in more detail in the master clock manual.

Standard Features

- 255 schedule changes
- 800 events
- Master Clock built-in web interface for easy scheduling
- Front keypad

Benefits

- No need to buy additional equipment to control third party devices at prescheduled times.
- Energy Efficient - No longer worry if all of the lights in the building were turned off at the end of the day. For example, if everyone is out of the office by 5:30PM, the master clock can be set to turn all of the lights off at that time, saving energy and keeping the electrical bill down.
- Ability to control multiple devices and systems from one location.

Using a master clock with programmable relays offers a great solution for facilities with a need to control third party system at pre-determined times. For more information about Sapling Master Clocks with relays, please contact your dedicated Sapling representative.