Model UCS
UPB Controller, Scheduler-Timer

FEATURES – BENEFITS

- Works straight out of the box – choose a network number, add receiving UPB devices, setup events & control loads – No computer required!
- Simple push buttons & display – designed with the homeowner in mind.
- Events are set based on days of the week, time or sunrise/sunset – use sunrise/sunset and offsets so the schedule never needs to be adjusted
- Each event can function as: on, off, on and off, dim & random – save energy by dimming lights on or turning off lights automatically
- Vacation mode events utilize a randomness setting (+/-minutes) – on/off times vary within the setting range to give a home the 'lived in look'
- Celestial Clock calculates leap year, daylight savings and sunrise/sunset based on zip code or Latitude/Longitude – set it and forget it!
- Non-volatile memory and internal power storage (no batteries required) – does not need to be reset if power is lost, events are stored indefinitely
- Maintains time in the event of a power outage for up to 1 week.
- Power line synchronized clock, ensures long term accuracy
- Manual or link activated schedule modes (ON, OFF, Vacation, Alternate Vacation) – use UPB switch buttons to control schedule modes
- Adds scene links to receiving UPB devices to control multiple devices with one event
- Signal/noise meter and noise logging – quickly check the home's powerline or run logging overnight to help identify noise times / sources
- Computer Interface Mode provides PC access to the UPB network with UPStart configuration software – setup and optimize large networks
- Includes power cord for tabletop use, or right angle power plug for outlet mount.
- UPB reliability and compatible with a variety of devices and controllers

DESCRIPTION

The Model UCS-01, UPB Controller, Scheduler-Timer was designed for ease of use and years of reliable 'no hassle' performance. Once the unit is set for time, date, location (zip code or latitude and longitude) and a network ID number is selected, UPB devices and scheduled events can be added – no computer required. It supports up to 99 events, 250 devices and lighting scene links. When sunset/sunrise settings are used for event on/off times, the scheduled events never need to be adjusted for seasons (daylight savings time). Even if power is lost for up to one week, the scheduler will maintain the time, settings and schedule, so everything is fine once power comes on. The schedule mode can be easily set for regular every-day run time operation. Or when leaving for vacation set for random vacation mode to give a home the 'lived in look'. Schedule modes (Off, Run, Vacation or Alternate Vacation) can also be conveniently changed with scene links sent from a UPB switch – just press a button to switch modes, E.g. from Run to Vacation. Once the Scheduler-Timer has been set-up, the user can rely on timely lighting and not worry about making changes for power-outages, seasons or adjusting the time. To manually control loads or test events, simply go to the device event and press 'enter.' It will toggle the event/load on and off allowing easy control of loads and a way to quickly check that everything works as expected. In the event that all devices are not being controlled as configured, the Tools menu offers a signal and noise meter to check that the signals are strong or that there is not an excessive amount of noise on the power line. It will also log noise events over a period of time. This can help identify intermittent noise issues. In addition the Scheduler-Timer can connect to an RS232 serial port allowing the use of UPStart configuration software on a PC. UPStart is a powerful tool to help configure large networks and check communication. Download it for free at www.Simply-Automated.com

APPLICATIONS

The Scheduler-Timer is used primarily for landscape and holiday lighting control however many discover the benefits of scheduled lighting inside the home as well. Landscape lighting fixtures are low voltage (12v or 24v DC) powered by transformer boxes. Traditionally these transformer boxes have very basic 24-hour plug-in timers inside, that are set to turn the transformer on and off at specific times of the day. These work OK until seasons change, or there is a power outage where they need to be reset to the correct time. If power outages are frequent, or if the transformer is in a hard to get to place, resetting them is a nuisance. This is where the Scheduler-Timer is of the most value since it can be set to turn lights on at sunset (or dusk). Offsets are provided in 15 minute increments, so the lights can be set to turn on 15, 30, 45 or 60 minutes before or after sunset. This prevents the hassle of adjusting the ON times as seasons change. Off times are usually fixed by the hour (e.g. 10PM, 11:45Pm or mid-night 12AM). Since the Scheduler-Timer can keep time when there is no power (up to 1 week maximum), power outage do not affect the UCS-01 once power comes back on. In fact, all the UPB receiving devices will power up to the on/off/dim state they were in before power was lost.

The biggest benefit of using the scheduler and UPB devices to control outdoor lighting is the fact that the outdoor devices can easily be controlled from inside the home, with the Scheduler-Timer or with standard UPB switches. In addition, there are plug-in tabletop scene controllers like the model US2TP11 and USQT22 that can be plugged in anywhere there is an outlet. They can easily control the yard lights as well as any other UPB enabled interior lighting (kitchen, bedroom, sunroom, etc.). Or, replacing a standard mechanical switch with a UPB switch (see US2W12 or US2W24) allows the home owner to control the landscape lighting from a convenient indoor location, like the front or back porch switch. The US2W12 has a single rocker to control a (porch) light circuit and 4 buttons to control 1 or more UPB receivers.

When considering indoor automated lighting control, the scheduler offers many convenient advantages. For example, having porch, mudroom, or entryway lights come on at sunset means that you never have to enter a dark home again. It is a warm welcome on those dark winter nights. Alternatively, the scheduler can be used to turn off lights that are frequently left on in the evening (laundry room lights, garage lights, or any lights) or during the day after everyone has left the home for work and school (kitchen, bedroom, bathroom, hall lighting). Save energy by making sure lights are not on all night, or day.

SPECIFICATIONS

Power	120Volts AC, 60Hz
Input Current	200mA
Operating Temp.	0-50˚C
Computer Interface	RS-232
Dimensions	4.5 x 2.875 x 1.0 inches
	114 x 73 x 25 mm
Weight	Net: 11.4 Oz, 323g
	Gross: 13.6 Oz., 386g
Safety	Conforms to UL STD 60950
	Certified to CAN/CSA STD C22.2 No. 60950-1-03

Model Number
   UCS-01; UPB Controller, Scheduler-Timer

For Indoor Use Only

4.250", 107.95mm

2.870", 72.90mm

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