

RIPLY LIGHTING CONTROLS

DIVISION OF SOUTHCONN TECHNOLOGIES INC

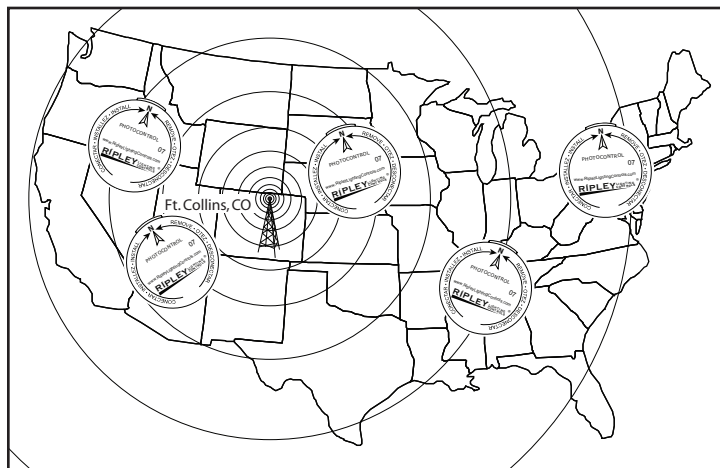
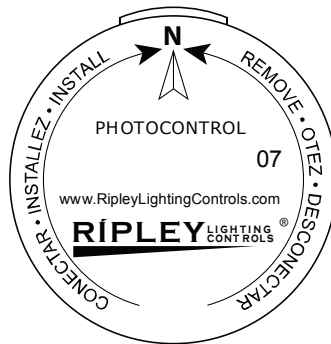
Installation Instructions PhotoClock®

Patent Pending

Important: The PhotoClock® relies on receiving the Atomic Clock time signal transmitted from radio station WWVB by the National Institute of Standards and Technology, located in Fort Collins, Colorado. The Atomic Clock signal is received by the PhotoClock® internal antenna and used to set and synchronize its built-in clock. To assure the best radio reception, location and orientation of the PhotoClock® are both important.

LOCATION: The PhotoClock® should be mounted in a high place; free of obstructions.

ORIENTATION: Orient the PhotoClock® so the "N" north arrow on top of the cover is perpendicular to the NIST transmitter in Colorado. Ideally, point the "N" arrow toward North, but only if your geographic location shows North as the proper orientation for best radio reception. Radio reception is more important than the North arrow pointing to true North. (see illustration below)



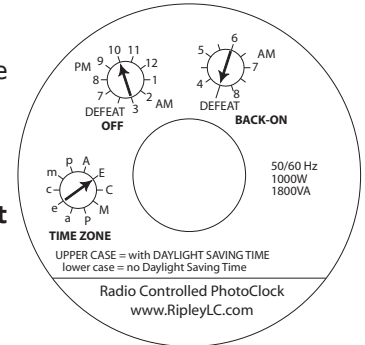
Orient "N" north arrow perpendicular to Ft. Collins, Colorado. The light sensor should not face artificial light (such as a street light). This can cause false light readings.

Simple Setup: Selector switches conveniently located on the bottom of the PhotoClock® are used to set Time Zone, Turn-Off Time, and Back-On Time.

TIME ZONE selector:

Select appropriate time zone and whether or not to observe Daylight Saving Time shift. Most states do observe DST.

Use upper case letter selection if you want PhotoClock® to observe Daylight Saving Time (DST). Use lower case letter selection if you do not want PhotoClock® to observe DST.



Select **A/a** for Atlantic Time Zone, **E/e** for Eastern, **C/c** for Central, **M/m** for Mountain, **P/p** for Pacific.

TURN-OFF selector: The PhotoClock® will turn on at dusk. To set the time at which you want the light (load) to turn off, set the "OFF" selector switch to the desired turn-off time. Selections are from 7:00 PM to 3:00 AM, in one hour increments. If you do not want the unit to turn off select "DEFEAT".

BACK-ON selector: If you would like the PhotoClock® to turn the load back on before dawn, set the "BACK ON" selector switch. An example use for this would be if a business wants lights back on before opening the next morning. Selections are from 4:00 AM to 8:00 AM, in half hour increments. If you do not want the unit to turn back on select "DEFEAT". If you set the unit to turn back on, it will turn back off at dawn. If dawn occurs before the back on time, the unit will simply remain off until the next evening.

INSTALLATION: After setting selector switches as desired, install PhotoClock® in a proper twist-lock receptacle. When the PhotoClock® is first installed, it will immediately search for the NIST radio signal to initialize the internal clock. It will receive pieces of the NIST radio signal message until a complete valid message is confirmed. Once a valid message is confirmed, a red light emitting diode (LED) located in the window of the PhotoClock® will blink once every couple of seconds. This takes at least five minutes.

Reception is best at night, so depending on your location and radio signal reception, it may be night time before PhotoClock® synchronizes. By default, PhotoClock® will turn on at dusk and back off at dawn.

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