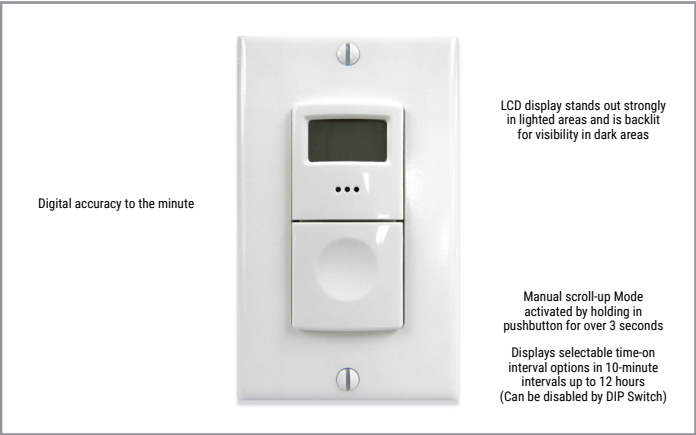


Project		Catalog #		Type	
Prepared by		Notes		Date	



# Greengate

## TSW-MV Digital Wall Switch Timer

Ideal for conformance to energy codes where assurance is needed that lights are turned OFF when not in use

### Typical Applications

Storage rooms • Hall closets • Broom closets

### Product Certification



### Product Features



- 2-Minute flash warning
- Tamper Resistant
- Meets ASHRAE Standard 90.1 requirements

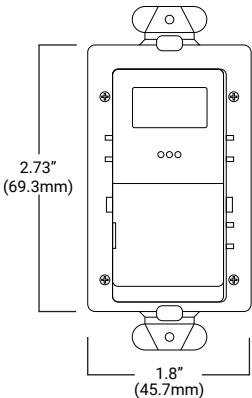
### Interactive Menu

- Order Information [page 2](#)
- Additional Resources [page 3](#)
- Wiring Diagrams [page 3](#)
- Product Warranty

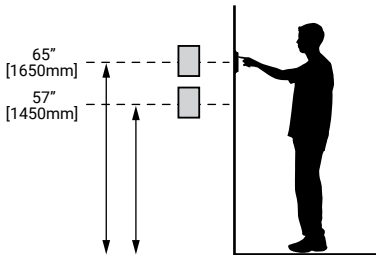
### Top Product Features

- Ideal for conformance to energy codes where occupancy sensor is not the best application
- Tamper resistant time-on interval can be preset
- Percent time remaining bar graph displayed in addition to count-down time
- Flicker of lights and/or beep warning begins 2 minutes before count-down time elapses (Can be disabled by DIP Switch)
- No minimum load required
- Easy installation; fits standard 2.5" wall box and replaces wall switch in existing installation

### Dimensional and Mounting Details



### Scale or Mounting Height



[additional product diagrams](#)

## Order Information

Catalog Number

Catalog Number	Description	Ratings	Shut-OFF Delay
TSW-MV-W (White)	Digital wall switch timer	960W @ 120 VAC Tungsten 10A @ 120/277 VAC Ballast 1/2 HP @ 120 VAC	Adjustable 5 min - 24 hr.

## Product Specifications

## Mechanical

## Size:

- **Housing:** 2.73"H x 1.8"W x 1.8"D (69.3mm x 45.7mm x 45.7mm)
- **Mounting Plate:** 00.15"H x 1.94"W (105.4mm x 49.2mm)

## Environment:

- **Operating temperature:** 60°F to 80°F (15°C to 26°C)
- **Relative humidity:** Less than 90%, non-condensing
- For indoor use only

**Mounting:** Fits standard 2.5" wall box**Color:** White

## Electrical

## Electrical ratings:

- **Contacts**
  - Tungsten: 960W @ 120 VAC
  - Ballast: 10 amps @ 120/277 VAC
  - Motor Load: 1/2 HP @ 120 VAC
- **Input**
  - 120 or 277 VAC +/- 10% 60 Hz

## Controls and Performance

- Digital accuracy to the minute
- LCD display stands out strongly in lighted areas and is backlit for visibility in dark areas
- Manual scroll-up Mode activated by holding in pushbutton for over 3 seconds
- Displays selectable time-on interval options in 10-minute intervals up to 12 hours (Can be disabled by DIP Switch.)

## Warning

- This product is not intended to be used in applications involving the use of ammonia-based or VOC cleaners.
- Use of ammonia-based or VOC cleaners on this device must be avoided. Prolonged use may cause loss of integrity and expose electrified components. If this occurs, turn OFF power to the unit and replace.
- For detailed cleaning guidelines please refer to: Controls Care and Maintenance instructions at the end of this document.

## Warranty

Five year warranty standard

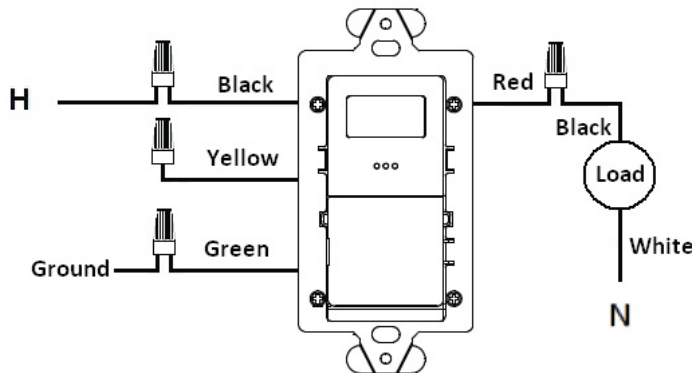
## Operations

Momentarily pressing the start/stop button located on the front of the unit will turn the load ON and start the countdown time (set by DIP Switches). When the count-down time elapses, the load will turn OFF. When necessary, momentarily pressing the start/stop button will also turn the load OFF before the count-down time has expired. The unit may be programmed by use of the DIP Switches to flicker lights and/or beep as a warning that the load is about to be turned OFF. Holding in the pushbutton for 1 to 2 seconds while the load is on will reset the timer to its original preset interval.

## Wiring Diagrams

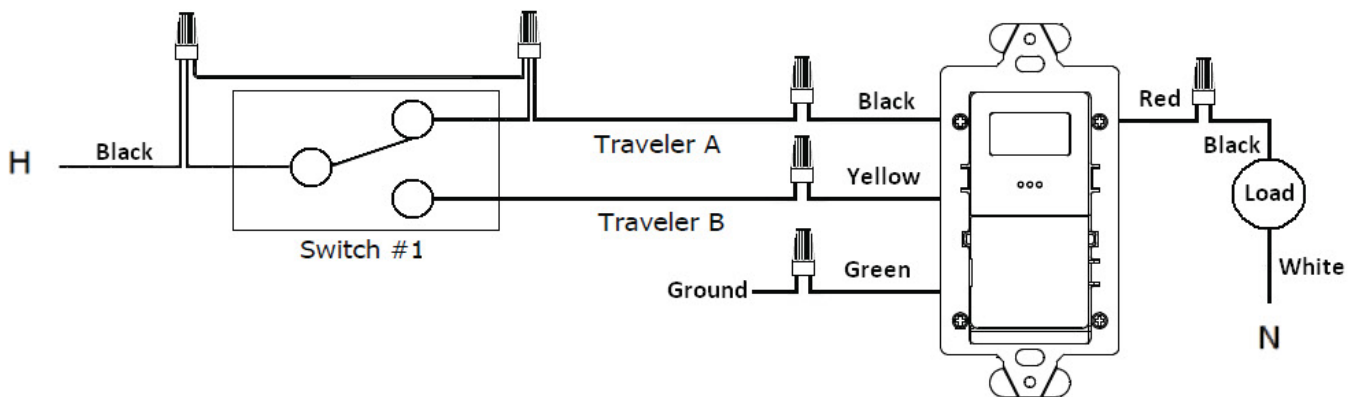
Single Pole Wiring

SS403 Wiring

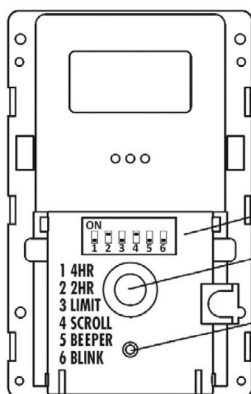


Three-way Wiring

Connect a wire inside the gang-box  
between Traveler A and HOT




## Settings



- ON - SWITCH UP
- OFF - SWITCH DOWN
- TIMER BUTTON
- RESET BUTTON



"" = Beeper  
"BLINK" = Blink

 **Control Systems**  
• Greengate



Cooper Lighting Solutions has developed recommended guidelines for cleaning our products that will not impact the operation or finish of the product.

### Recommended cleaning tips:

- **Never spray any fluids directly into the device.**
- **Use of ammonia-based or VOC cleaners on this device must be avoided.** Prolonged use may cause loss of integrity and expose electrified components. If this occurs, turn OFF power to the unit and replace.
- **Use a damp rag or single-use wipe** to avoid excess liquid penetrating the device.
- Be sure to wipe up remaining excess liquid after cleaning.
- Ensure the cleaning agent used does not have harsh chemicals such as bleach, ammonia, highly alkaline or concentrated acids (such as hydrochloric acid that can be found in household cleaners such as toilet bowl cleaners, bathroom tile and porcelain cleaners) as they could damage the device, causing them to become brittle and discolored.
- Cooper Lighting Solutions recommends the use of a mild liquid detergent and water to clean the devices. Single use wipes (e.g. Lysol brand or equivalent) are acceptable to use for cleaning the devices, however the single-use wipes **cannot contain bleach, ammonia, highly alkaline or concentrated acids.**

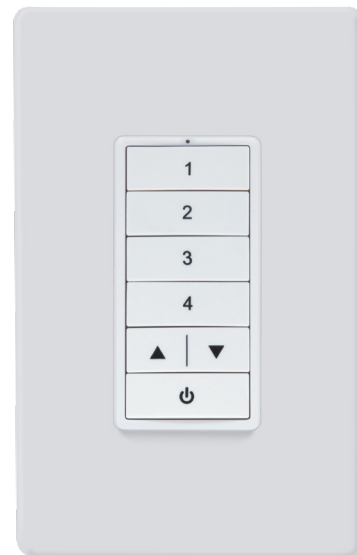


image for  
reference only



### WARNING

*This product is not intended for use in applications involving the use of ammonia-based or VOC cleaners.*

*Prolonged use may cause loss of integrity and expose electrified components.*

*If this occurs, turn OFF power to the unit and replace.*

### Recommended cleaning instructions:

- **Never spray any fluids directly into the device.**
- Apply the mild liquid detergent to a damp cloth or paper towel. Single use wipes (e.g. Lysol brand or equivalent) are acceptable to use for cleaning the devices, however single-use wipes cannot contain bleach, ammonia, highly alkaline or concentrated acids.
- If excess liquid is present, remove by wringing out the cloth or paper towel to avoid liquid penetration into the device.
- Clean the Cooper Lighting Solutions device by wiping over the surface with the damp cloth.
- Remove an excess liquid remaining on the device with a dry cloth or paper towel.