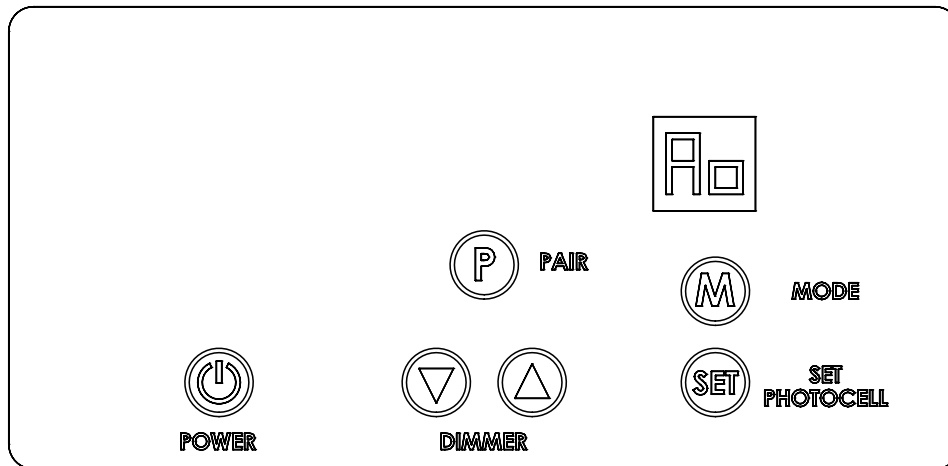


50 Watt Transformer

Control Instructions

- It is the responsibility of the installer to meet all code and safety requirements and to obtain all required building permits. The installer should determine and implement the installation techniques appropriate for each unique installation situation. Digger Specialties, Inc. and its distributors shall not be held liable for improper or unsafe installations.
- These instructions must be followed exactly as written and the materials used must be exactly as shown in the instructions. Any deviation from the instructions or variation in the materials used/installed may result in an unsuccessful installation and will void the warranty.



POWER:



POWER

Turns the system power off and on. When the system power is off, the LCD display will be blank and the only button that will function is the Power button. When the system power is on, the LCD display will show the current mode or function that is active.

PAIR:



PAIR

Pairs a new wireless remote or bluetooth device.

To pair a new wireless remote (the included remote is already paired at the factory):

- Press and hold the Pair button on the transformer. At the same time press and hold the M button on the new remote. The LCD display will show rt to indicate that it is in remote pairing mode.
- Continue holding both buttons in for 8-10 seconds. When the new remote is paired, the output lights will flash and the transformer will cycle through the different modes until both buttons are released.

To pair a new bluetooth device (only needs to be done once per device):

- Download and open **SmartPower 50** app from Android or Apple stores.
- Press and release the Pair button on the transformer. The LCD display will show bt to indicate that it is in bluetooth pairing mode.
- When in bt mode, no buttons can be pushed for 30 seconds or until a new device or phone pairs with the transformer. The transformer will go back to the previous mode once 30 seconds has expired or a new device or phone has been paired with the transformer.
- A new device or phone that tries to pair with the transformer without being in bt mode will be rejected.

DIMMER:



DIMMER

- Pressing or holding in the up button (▲) will make the lights brighter - if the lights are full brightness and the button is pressed again (or held in), the lights will flicker or flash to indicate the lights are at the brightest setting.
- Pressing or holding in the down button (▼) will make the lights dimmer - if the lights are dimmed to the lowest setting and the button is pressed again (or held in), the lights will flicker or flash to indicate the lights are at the dimmest setting.
- The dimmer buttons are only operational when the output lights are on.

50 Watt Transformer

Control Instructions

MODE and LCD DISPLAY:



Pressing or holding in the mode button will cycle through the different modes settings. The mode settings are 1h, 2h, 3h, 4h, 5h, 6h, 7h, 8h, dd and Ao.



MODE

1 to 8 hour timer (1h, 2h, 3h, 4h, 5h, 6h, 7h, 8h)

- Uses the photocell to turn the lights on. When the photocell senses darkness continually for 30-40 seconds, the lights will turn on.
- The lights shut off after the set time expires (1 hour for 1h mode, 2 hours for 2h, etc.).
- After the set time expires the lights will remain off.
- Whether the timer has expired or is still active, when the photocell senses light continually for 30 - 40 seconds, the timer will be reset and ready for another cycle. If the lights are on, they will be shut off and the timer is reset.

Dusk to Dawn (dd)

- Uses the photocell to turn the lights on. When the photocell senses darkness continually for 30-40 seconds, it will turn on the lights.
- The lights will remain on until the photocell senses light continually for 30-40 seconds.
- When the photocell senses light continually for 30 - 40 seconds the lights will be shut off and ready for another cycle.

Always On (Ao)

- The lights are on all the time. The photocell is not used.

SET PHOTOCELL:



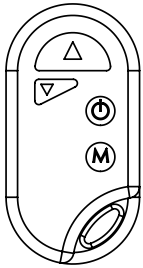
**SET
PHOTOCELL**

Sets the trigger point for turning the lights on and off.





To set the photocell level:



- Ensure mode is set to 1h, 2h, 3h, 4h, 5h, 6h, 7h, 8h, or dd. The Set Photocell button will only work when in these modes.
- Wait until the ambient outdoor light condition is at the desired level for when the lights are to come on (dusk).
- Press and continue to hold the Set Photocell button for 10-15 seconds. The LCD display will change to P5.
- The lights will flash or flicker once the new photocell setting has been saved.
- The lights will turn on in 30-45 seconds as long as the ambient light condition is lower than when it was set.

REMOTE CONTROL:



Controls the transformer remotely. Functions are the same as the transformer buttons.

-  Brightens the lights if they are on
-  Dims the lights if they are on
-  Turns the system power off and on
-  Changes the transformer mode

Pressing both  and  in at the same time will put the transformer into bluetooth pairing mode (see above). The LCD display will show bt and no other functions will work for 30 seconds or until a new device is paired.

ADDITIONAL FEATURES:

System Memory:

- Previous settings are saved if power is lost. Settings are saved 30 seconds after the last settings change.

Overload Protection:

- The transformer can sense an overload condition. When this occurs, the lights will shut off and the LCD display will show oL. This can be caused by having too many lights attached or a pinched wire causing a short circuit.
- Pressing the power button will reset the transformer. The system will continue to check for an overload condition every 10 seconds.

Over Temperature Protection:

- The transformer can sense an excessive internal temperature condition. When this occurs, the lights will shut off and the LCD display will show ot. This can be caused by having the transformer too close to an external heat source.
- The transformer will automatically restart once the temperature has returned to a safe level. The system will continue to check for an over temperature condition every 10 seconds.

Factory Reset:

- Unplugging the transformer for at least 10 seconds and holding in the power button while you plug the transformer in will force the system to return to factory settings. All settings will return to default. Any bluetooth devices or replacement remote controls will need to be paired again. The original remote control will not need to be paired again.