



USER GUIDE

CY3

Digital Timer



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SAFETY NOTICE

IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS

DANGER

**TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,
CAREFULLY FOLLOW THESE INSTRUCTIONS.**

To reduce the risk of electric shock, disconnect power to the 120V electrical outlet before installing or removing the unit. When removing the electrical wall plate, it may fall across plug pins or become displaced.

To reduce the risk of electric shock, this product has a grounding type plug that has a third (grounding) pin. This plug will only fit into a grounding type power outlet. If the plug does not fit into the outlet, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

PRODUCT DETAILS

Operation and Specifications

Input/Output voltage: 120V.

Output current: rated 15A for general purpose load.

DAY or NIGHT ON times range from 5 seconds to 60 minutes.

DAY or NIGHT OFF times range from 1 minute to 12 hours.

Unit starts with ON time at power up in DAY condition. When unit switches to NIGHT, Night OFF time is started. When the unit returns to DAY, Day ON time is started.

Electrical specifications: See the rating label on your product.

INSTALLATION & OPERATION

Bargraph Display

Use SCALE on LEFT SIDE for ON times
(5 seconds to 60 minutes)

Use SCALE on RIGHT SIDE for OFF
times
(1 minute to 12 hours)

Light sensor (photocell)



120V Output plug

DAY AND NIGHT DETECTION



The photocell detects a NIGHT condition when it senses darkness for a minimum period of 8 seconds.



The photocell detects a DAY condition when it senses light for a minimum period of 8 seconds

DISABLING OPERATION

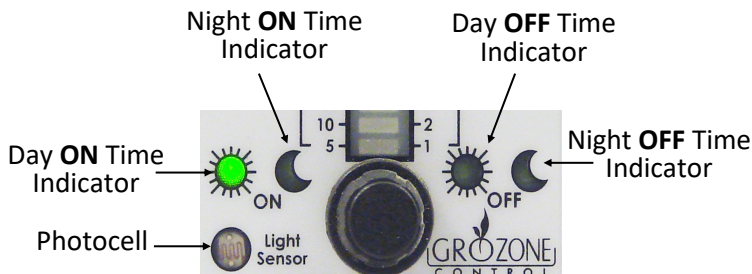
In order to disable DAY or NIGHT operation, set corresponding ON time to "zero" - turn knob counter clockwise until all bars are OFF when setting DAY ON or NIGHT ON times.

BOTTOM BAR IS BLINKING





The bottom bar of display is flashing at the end of a cycle. The bar will flash for 2 seconds at the end of an ON time, and for 30 seconds at the end of an OFF time.

INSTALLATION & OPERATION

Set Values



Click knob to select times and turn to set values in this order:

- DAY  ON time: **Indicator is steady lit (not blinking)**, rotate knob to select from 5 seconds to 60 minutes (left side scale).
- NIGHT  ON time: **Indicator is steady lit (not blinking)**, rotate knob to select from 5 seconds to 60 minutes (left side scale).
- DAY  OFF time: **Indicator is steady lit (not blinking)**, rotate knob to select from 1 minute to 12 hours (right side scale).
- NIGHT  OFF time: **Indicator is steady lit (not blinking)**, rotate knob to select from 1 minute to 12 hours (right side scale).

INSTALLATION & OPERATION

Connect your equipment

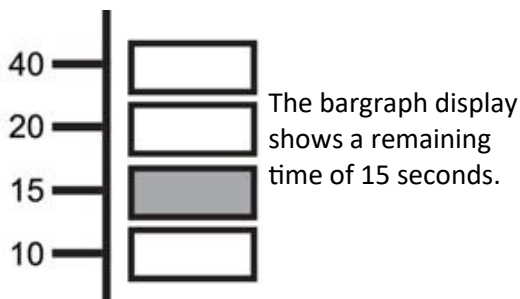
Connect your pump or other equipment into the 120V outlet in front of your timer.

BLINKING INDICATOR AND TIME COUNTDOWN

A blinking indicator shows you which "time" is currently running. Countdown is shown on display at all times during normal cycle operation.

Example 1:

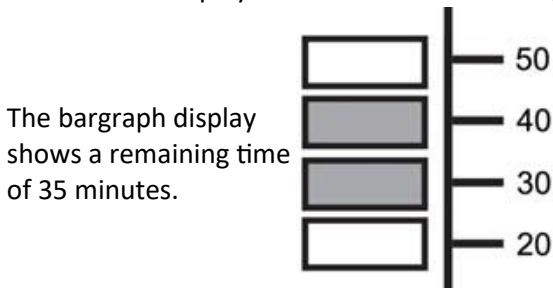
DAY ON Indicator is blinking.
Display bar "15" is lit (left scale).



DAY is detected and **ON time** will run for 15 more seconds before it switches to OFF time.

Example 2:

NIGHT OFF Indicator is blinking.
Display bar "30" and "40" are lit (right scale).



NIGHT is detected and **OFF time** will run for 35 more minutes before it switches to ON time.

QUICK TROUBLESHOOTING GUIDE

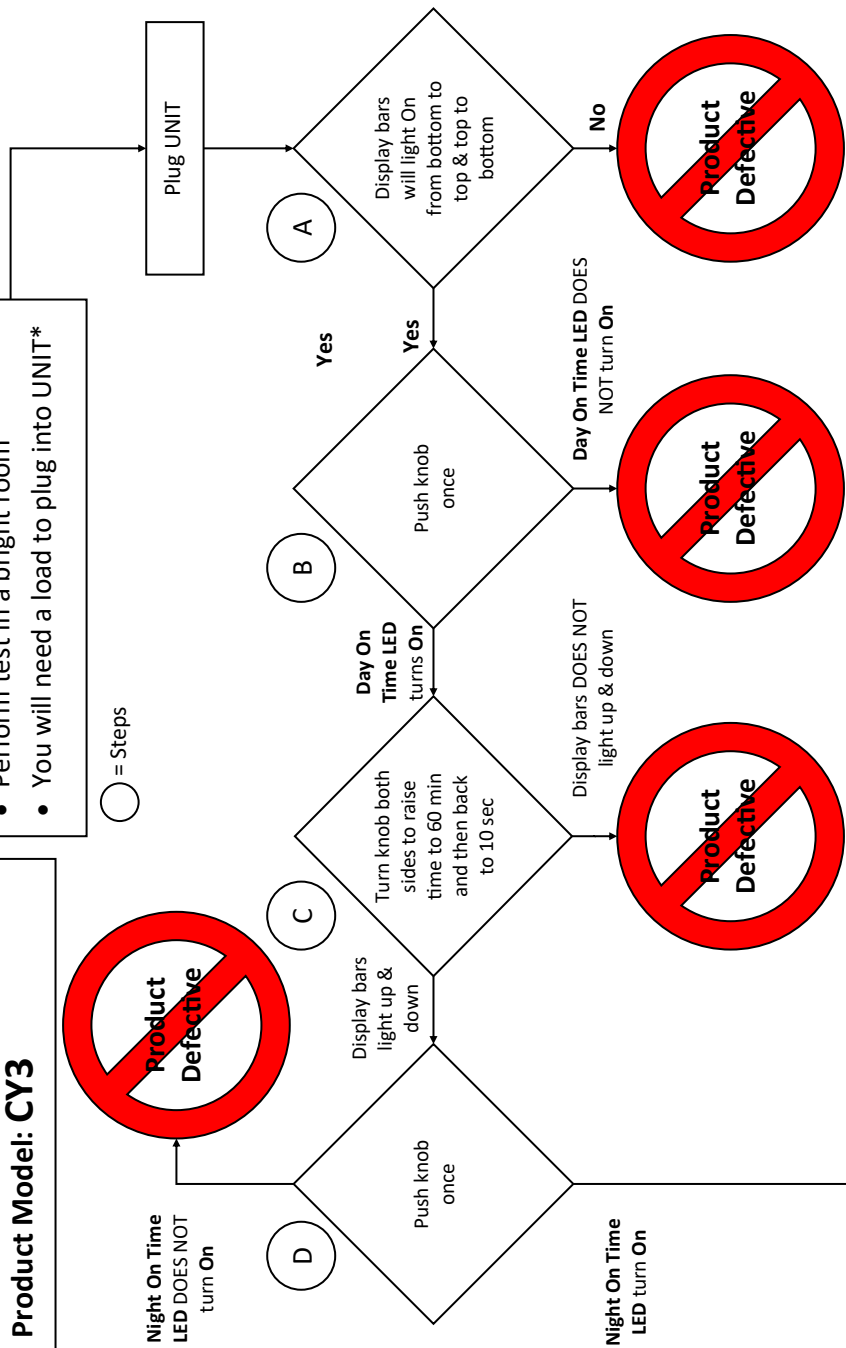
Quick Troubleshooting Chart

Product Model: **CY3**

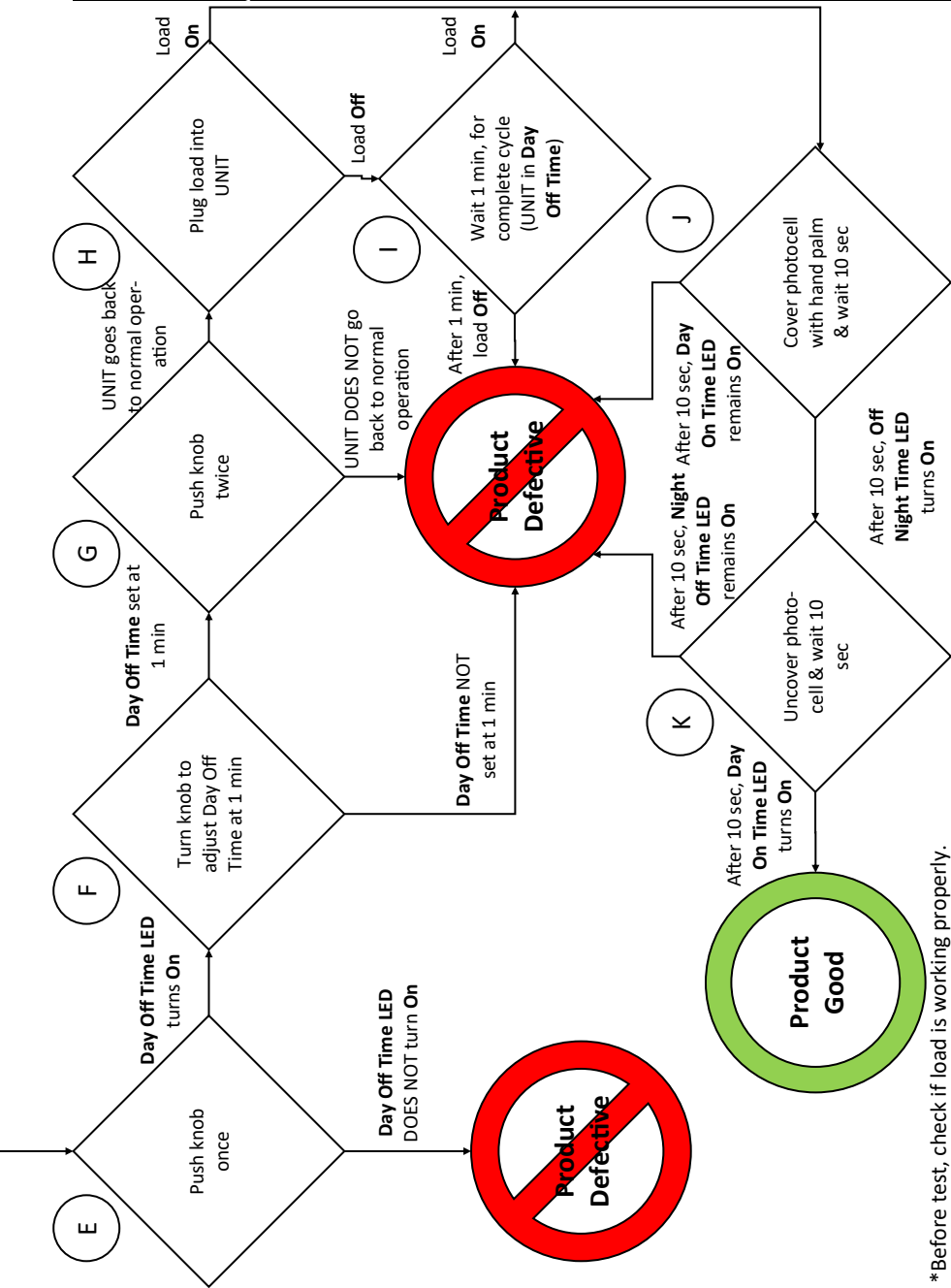
BEFORE YOU START

- Perform test in a bright room
- You will need a load to plug into UNIT*

○ = Steps



QUICK TROUBLESHOOTING GUIDE



* Before test, check if load is working properly.

COMPLETE TROUBLESHOOTING GUIDE

Digital cycle timer with display CY3

1 – Before you start

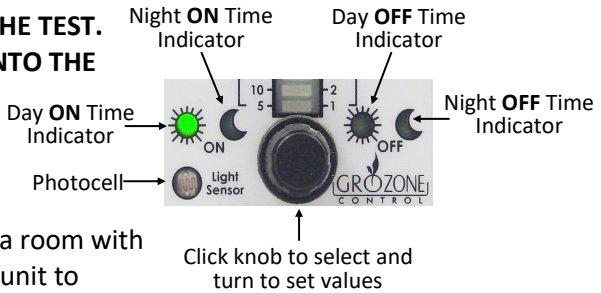
***IMPORTANT: READ AND FOLLOW THESE INSTRUCTIONS BEFORE STARTING THE TEST.**

- **DO NOT CONNECT UNIT BEFORE STEP 1 OF THE TEST.**

- **CONNECT A LOAD INTO THE FRONT OUTLET OF THE UNIT.**

- **LIGHTING CONDITION:**

perform this test in a room with enough light for the unit to detect a DAY condition.



NOTE: read ON times on the LEFT scale and OFF times on the RIGHT scale.

2 – Test

STEPS	HANDLING AND TEST DESCRIPTIONS	EXPECTED RESULTS
1	<ul style="list-style-type: none"> • Plug unit into a power outlet. 	<p>When power is applied, each bar of the display is lit individually from bottom to top and back to bottom.</p> <p>DAY ON time Indicator is BLINKING.</p> <p>Load connected to 120V front outlet is ON.</p>

COMPLETE TROUBLESHOOTING GUIDE

STEPS	HANDLING AND TEST DESCRIPTIONS	EXPECTED RESULTS
2	<ul style="list-style-type: none"> • Click knob once to enter Times Settings • Turn knob to set DAY ON time to 10 seconds (2nd bar is lit). 	<p>DAY ON time indicator is STEADY LIT.</p> <p>2nd bar of display (from bottom) is STEADY LIT.</p> <p>The load connected to 120V front outlet will remain in the same state it was (ON or OFF, when Times Setting was entered). Time countdown is suspended.</p>
3	<ul style="list-style-type: none"> • Click knob once • Turn knob to set NIGHT ON time to 60 seconds (6th bar is lit). 	<p>NIGHT ON time indicator is STEADY LIT.</p> <p>6th bar of display (from bottom) is STEADY LIT.</p>
4	<ul style="list-style-type: none"> • Click knob once • Turn knob to set DAY OFF time to 1 minute (1st bar is lit). 	<p>DAY OFF time indicator is STEADY LIT.</p> <p>1st bar of display (from bottom) is STEADY LIT.</p>
5	<ul style="list-style-type: none"> • Click knob once. • Turn knob to set NIGHT OFF time to 10 minutes (4th bar is lit). 	<p>NIGHT OFF time indicator is STEADY LIT.</p> <p>4th bar of display (from bottom) is STEADY LIT.</p>

COMPLETE TROUBLESHOOTING GUIDE

STEP	HANDLING AND TEST DESCRIPTIONS	EXPECTED RESULTS
6	<ul style="list-style-type: none"> • Click knob once to resume normal operation. 	<p>DAY ON time or DAY OFF time indicator is BLINKING, meaning ON or OFF time countdown is underway.</p> <p>The unit will cycle 10 seconds ON followed by 1 minute OFF. Observe one complete ON-OFF cycle and verify ON and OFF times.</p> <p>LOAD must be ON when either DAY ON time or NIGHT ON time indicator is lit.</p>
7	<ul style="list-style-type: none"> • Cover the Light Sensor completely with the palm of your hand or black electrical tape (a single finger will NOT cover the sensor appropriately) and wait 8 seconds until the NIGHT condition is met. 	<p>DAY OFF time and DAY ON time indicators (i.e. both "Sun" icons) turn OFF.</p> <p>NIGHT OFF time indicator starts BLINKING and 4th bar turns ON.</p>
8	<ul style="list-style-type: none"> • Uncover the Light Sensor and wait 8 sec until DAY condition is met. 	<p>4th bar turns OFF.</p> <p>NIGHT OFF time and NIGHT ON time indicators (i.e. both "Moon" icons) turn OFF.</p> <p>DAY ON time indicator starts BLINKING and 2nd bar turns ON.</p>

WARRANTY & CUSTOMER SERVICE

DO YOU HAVE A PROBLEM WITH YOUR CONTROLLER ? PLEASE READ THESE INSTRUCTIONS CAREFULLY AND SAVE THEM FOR FUTURE REFERENCE.

- 1. I think my controller is damaged, or it simply does not work as indicated in the user guide, what should I do?**
 - Please refer to the troubleshooting steps. Follow these instructions carefully, step by step. The controller should work as described in the “Expected results” column of the Complete Troubleshooting Guide.

Do you need assistance on executing the Troubleshooting steps?

- 1. Contact us at 1-855-262-1800**
- 2. Send us an EMAIL at service@grozonecontrol.com**
- 3. VISIT our Technical Support Center at www.grozonecontrol.com/techsupport.html**

Technical Support is available Monday through Friday, from 8:00 AM to 8:00 PM, Eastern Time.

WARRANTY & CUSTOMER SERVICE

2. I've been through the troubleshooting steps. What do I do if I meet a problem at any of these steps? Is my product covered by the WARRANTY?

- Grozone controllers are covered by a 3-year warranty (*). We will replace any DAMAGED PRODUCT WITH A BRAND NEW PRODUCT.
- Covered or not covered? We do not authorize the replacement of fully working products nor altered (tampered) products. The Troubleshooting steps will help you identify a damaged product. Do not hesitate to contact us or contact your retailer to make sure the controller is not fully working or damaged before returning it to the store.
- My product is not fully working or damaged, I want a replacement unit: in order to get a replacement product, **you MUST return all modules and applicable accessories to the retailer.** To avoid being charged for the accessories, be sure to include all pieces. Thanks for your cooperation.
- Any Grozone Control product that is returned with obvious signs of user neglect will not be covered by the warranty. Grozone Control exercises the right to make final decisions in these matters.

(*)The warranty period begins from the date of purchase at the retail level. The retailer/consumer must keep their proof of sale/purchase. Otherwise, Grozone Control will consider the manufacturing date to apply the warranty coverage.

IMPORTANT MESSAGE TO RETAILERS

Retailers must call Grozone Control to get authorisation to replace the defective product and a RMA number.

1-855-262-1800



Rev. 3.0

www.grozonecontrol.com