## TWR Lighting, Inc. MARK

## Enlightened Technology®

10810 W. LITTLE YORK RD., #130 HOUSTON, TX 77041-4051 VOICE (713) 973-6905 FAX (713) 973-9352 web: www.twrlighting.com

## **IMPORTANT!!!**

PLEASE TAKE THE TIME TO FILL OUT THIS FORM COMPLETELY. FILE IT IN A SAFE PLACE. IN THE EVENT YOU EXPERIENCE PROBLEMS WITH OR HAVE QUESTIONS CONCERNING YOUR CONTROLLER, THE FOLLOWING INFORMATION IS NECESSARY TO OBTAIN PROPER SERVICE AND PARTS.

MODEL #	EE0
TYPE	DUAL LED
SERIAL#	
PURCHASE DATE	
PURCHASED FROM	



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### **EE0 DUAL CONTROLLER**

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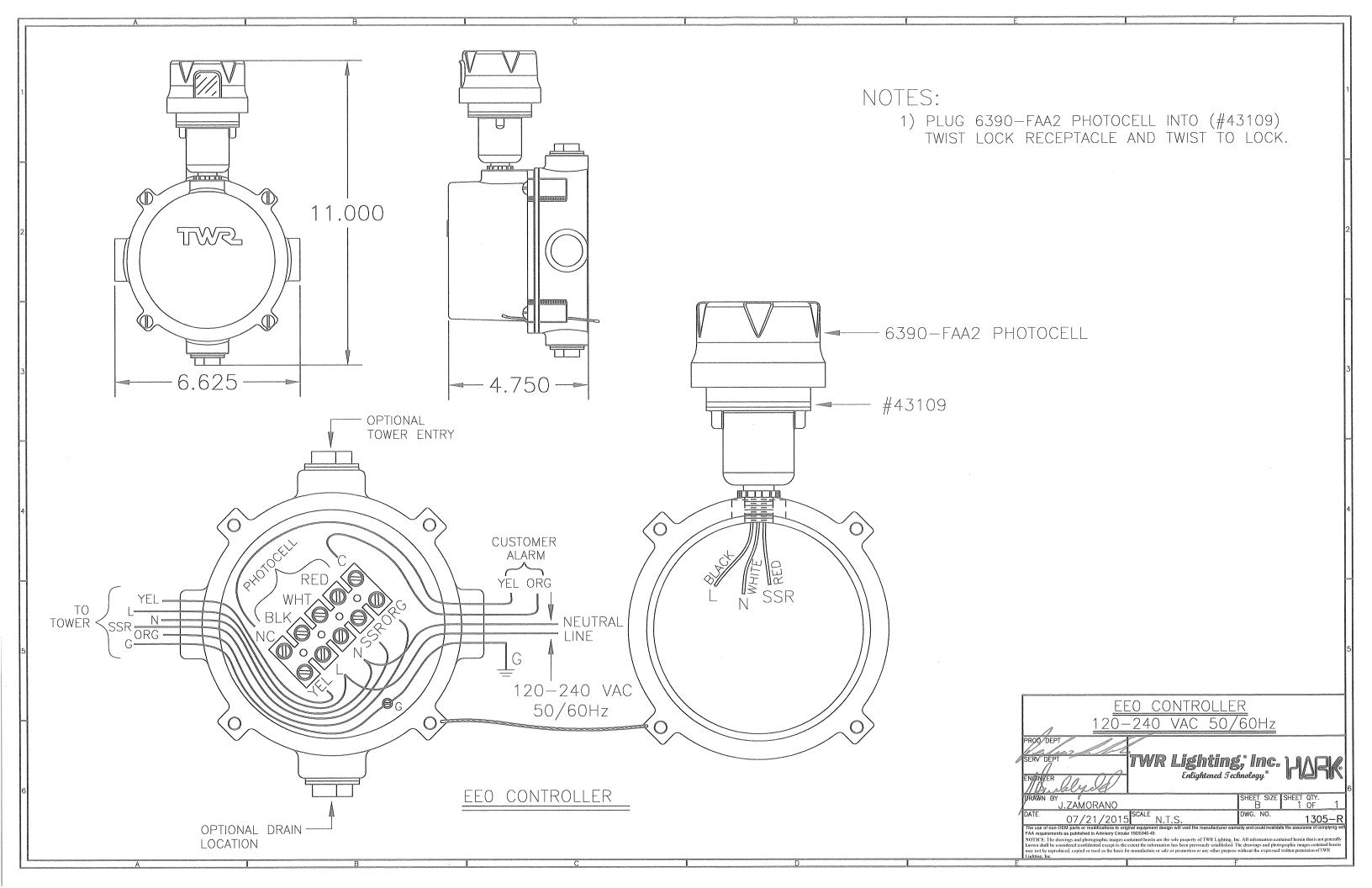
## TWR Lighting, Inc. MR

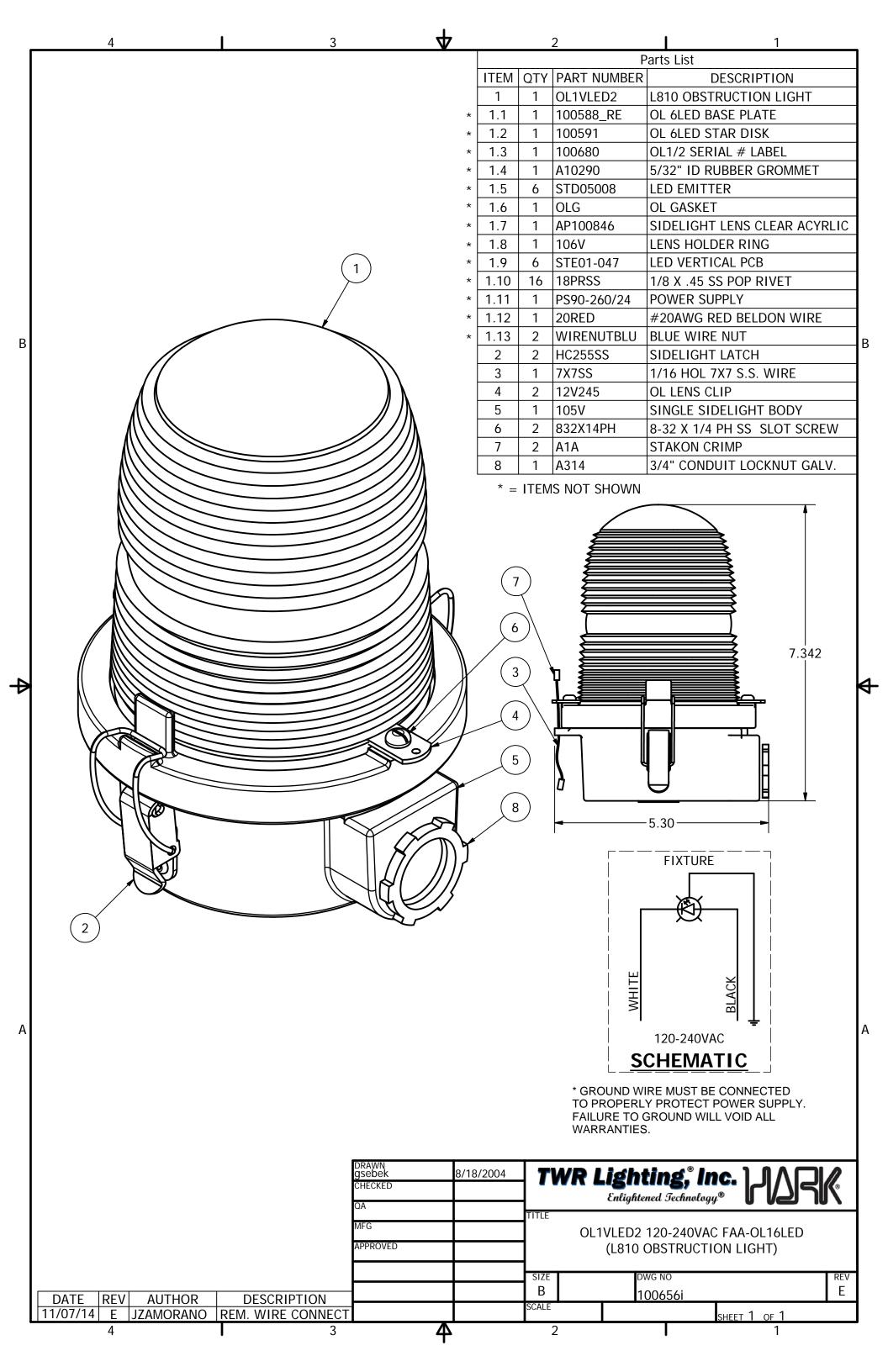
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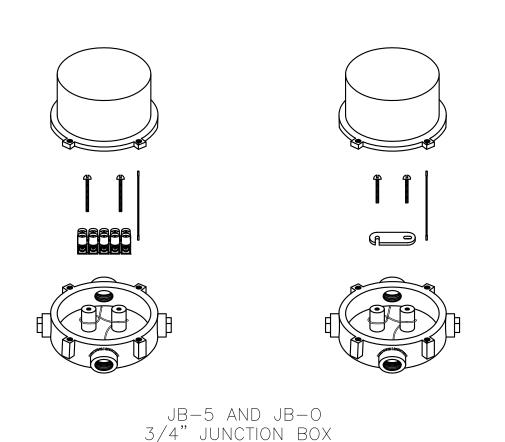
### **EE0 DUAL CONTROLLER**

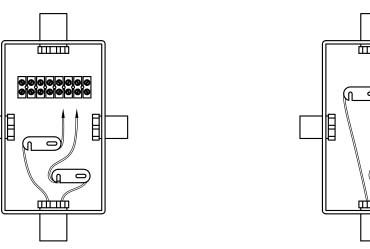
#### **APPENDIX**

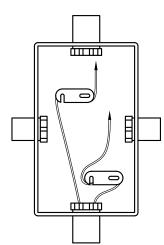
CHASSIS LAYOUT & SCHEMATIC	1305-R
OL1VLED2 SINGLE OBSTRUCTION LIGHT	100656 (REV E)
JUNCTION AND STRAIN RELIEF BOXES	100089 (REV A)
LK5E1L550 DUAL LED LIGHTING KIT	ORG-648 (REV A)
WRAPLOCK FASTENING DETAIL	100984











JB-8 AND JB-8SR 1" JUNCTION BOX

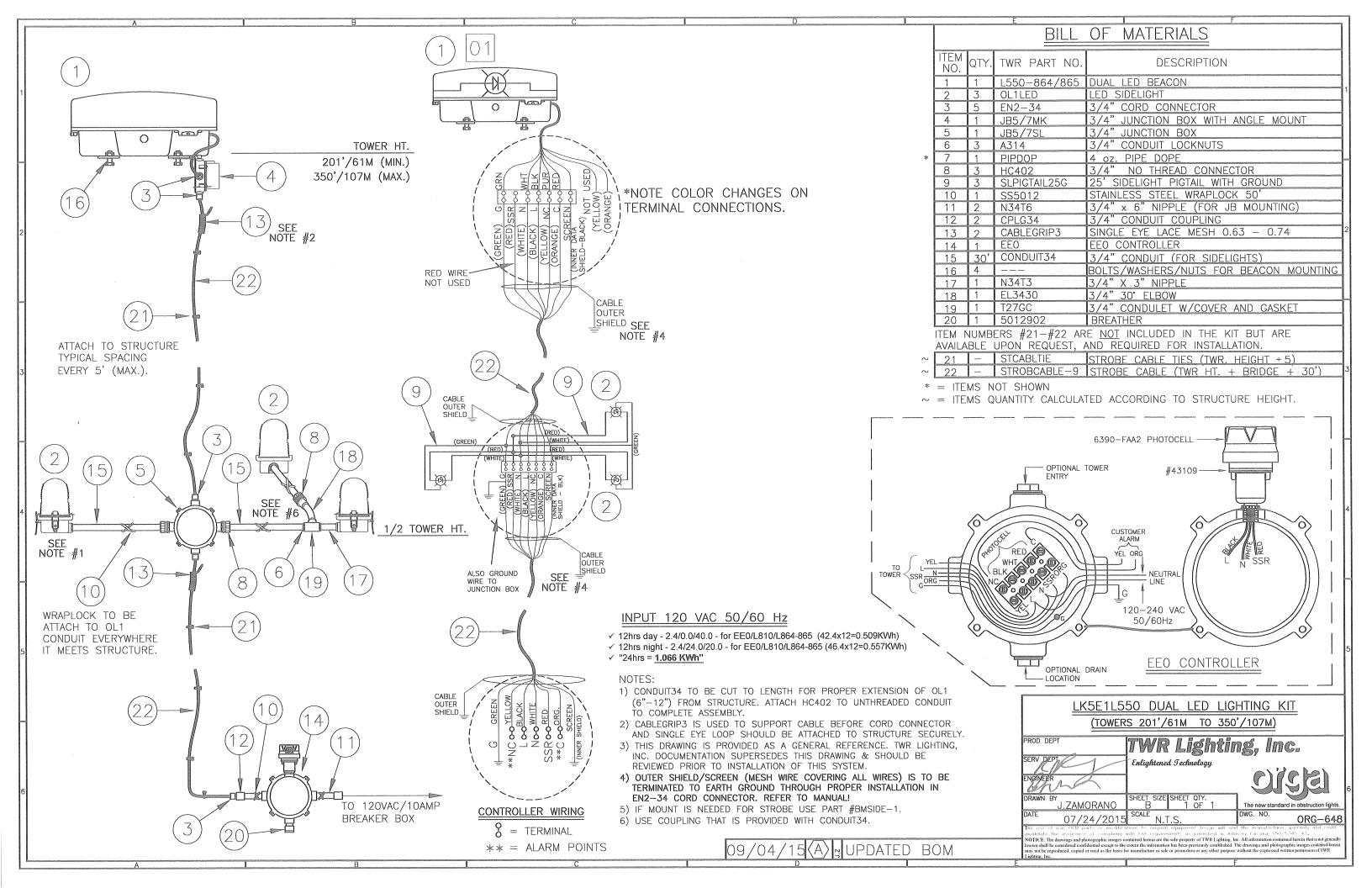
#### USING THIS JUNCTION BOX METHOD SPACING IS 100 FEET MAXIMUM.

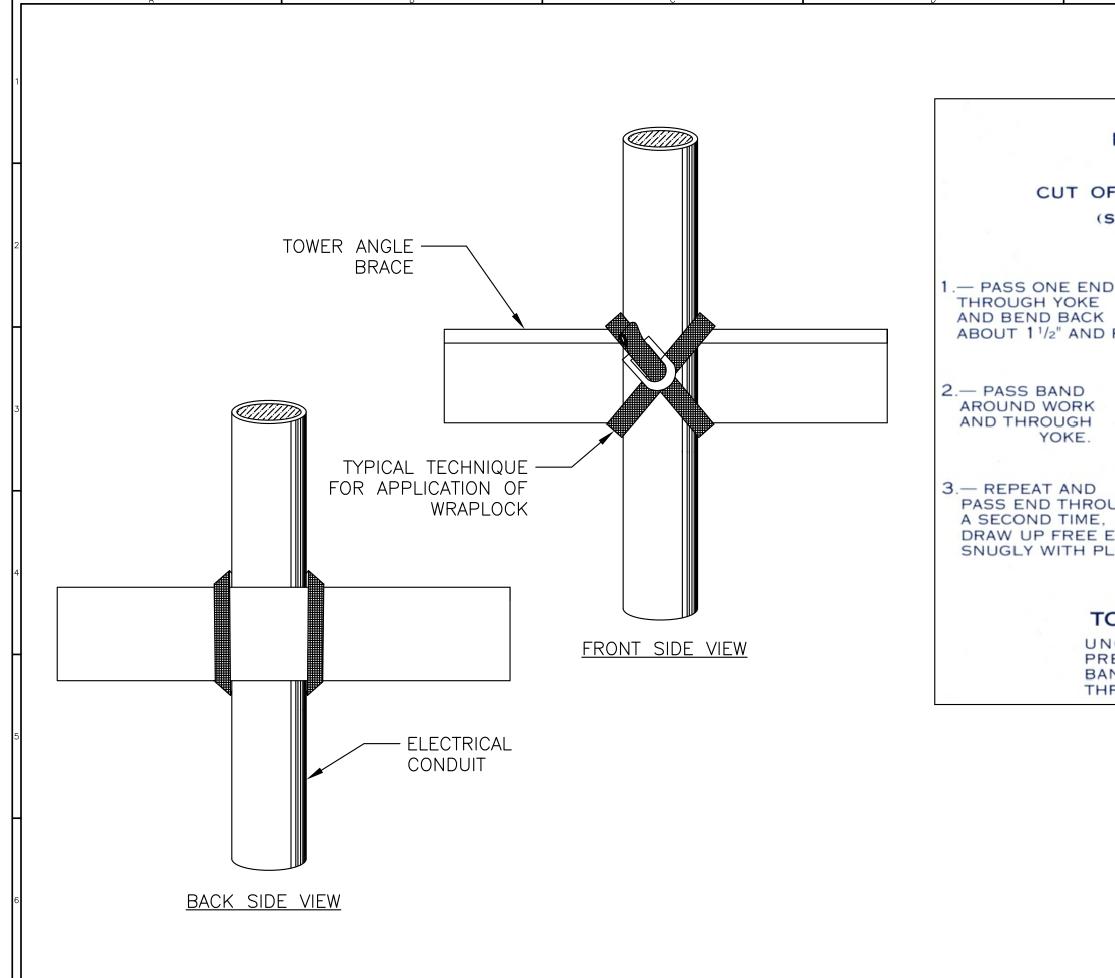
AWG WIRE SIZE	MAX. NUMBER WIRES IN 3/4" CONDUIT	MAX. NUMBER WIRES IN 1" CONDUIT	WIRE AREA SQ. INCHES	WEIGHT PER 100 FEET
12 THHN 10 THHN	16 10	26 17	0.0117 0.0184	2.50 4.10
8 THHN	6	9	0.0373	6.70
6 THHN	4	7	0.0519	10.30
4 THHN	2	4	0.0845	16.20

### NOTES:

- 1) DRAWING ILLUSTRATES METHOD OF STRAIN RELIEVING WIRE. USE THIS METHOD ON ALL JUNCTION BOXES.
- 2) THE NATIONAL ELECTRICAL CODE—ARTICLE 300—19—B3 REQUIRES CONDUCTORS IN A VERTICAL CONDUIT BE SUPPORTED TO RELIEVE STRAIN ON TERMINAL BLOCK CONNECTIONS.
- 3) SKETCH ILLUSTRATES METHOD OF STRAIN RELIEVING A SINGLE CONDUCTOR. SEVERAL CONDUCTORS MAY BE GROUPED TOGETHER.
- 4) CONDUCTORS MAY BE MIXED BUT SHOULD NOT TAKE UP MORE THAN 40% OF CONDUIT'S INSIDE AREA.

			JUNCTION	AND STRA	AIN RELIE	F BOXES
			PROD DEPT SERV DEPT ENGINEER	TWR	<b>Lighti</b> Enlightened	ng, Inc.
			drawn by G.D. SEBE		SHEET	SIZE SHEET QTY. 1 OF 1
			DATE 07/2 The use of non-OEM parts or	6/93 SCALE N.T.S.	DWG.	100089
9/29/00 (	A) : UPDATEC	NOTES	invalidate the assurance of co NOTICE: The drawings and photographic	mplying with FAA requirements	as published in Advisory Circ erty of TWR Lighting, Inc. All inform	cular 150/5345-43, ation contained herein that is not generally
	TD DE	VICIONI		the basis for manufacture or cale or mount		





# WrapLock

CUT OFF BAND TO PROPER LENGTH. (SEE TABLE ON COVER OF BOX)

1.— PASS ONE END ABOUT 11/2" AND FLATTEN DOWN.

PASS END THROUGH DRAW UP FREE END SNUGLY WITH PLIERS.



TURN DOWN UNTIL CLAMP IS TIGHT.

6.— BACK OFF SLIGHTLY TO REMOVE RATCHET. CLAMP IS NOW SECURELY LOCKED.

## TO REMOVE WrapLock

UNCOIL END WITH RATCHET. PRESS DOWN AT POINT WHERE BAND METAL HAS BEEN FORCED THROUGH CURVED PART OF YOKE.

WRAPLOCK	<b>FASTENING</b>	DETAIL

APPROVED  APPROVED		TWR Lighting, Inc. HAR  Enlightened Technology	
APPROVED	DRAWN BY M PETERMA	SHEET SIZE SHEE	T QTY. 1 OF 1
APPROVED	DATE 05 /01 /2014	SCALE DWG. NO	0. 100084

The use of indirecting parts of industriations to original exception lent usually mission and individual warrang and could invalidate the assistance of complete.

For A requirements as published in Advisory (Cruciar 1505/354-43.)

NOTICE: The drawings and photographic images contained herein are the sole property of TWR Lighting, Inc. All information contained herein that is not generally known shall be considered confidential except to the extent the information has been previously established. The drawings and photographic images contained herein may not be reproduced, copied or used as the basis for manufacture or sale or promotion or any other purpose without the expressed written permission of TWR.

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### **EE0 DUAL CONTROLLER**

#### **Warranty & Return Policy**

TWR Lighting<sup>®</sup>, Inc. ("TWR<sup>®</sup>") warrants its products (other than "LED Product") against defects in design, material (excluding incandescent bulbs) and workmanship for a period ending on the earlier of two (2) years from the date of shipment or one (1) year from the date of installation.

**TWR Lighting®, Inc.** ("**TWR®**") warrants its "LED Product" against defects in design, material and workmanship for a period of five (5) years from the date of shipment. TWR®, at its sole option, will, itself, or through others, repair, replace or refund the purchase price paid for "LED Product" that TWR® verifies as being inoperable due to original design, material, or workmanship. All warranty replacement "LED Product" is warranted only for the remainder of the original warranty of the "LED Product" replaced. Replacement "LED Product" will be equivalent in function, but not necessarily identical, to the replaced "LED Product."

**TWR Lighting®, Inc.** ("**TWR®**") warrants its "**LED Product**" against light degradation for a period of five (5) years from the date of installation. TWR®, at its sole option, will, itself, or through others, repair, replace, or refund the purchase price paid for "LED Product" that TWR® verifies as failing to meet 75% of the minimum intensity requirements as defined in the FAA Advisory Circular 150/5345-43G dated 09/26/12. All warranty replacement "LED Product" is warranted only for the remainder of the original warranty of the "LED Product" replaced. Replacement "LED Product" will be equivalent in function, but not necessarily identical, to the replaced "LED Product."

Replacement parts (other than "LED Product") are warranted for 90 days from the date of shipment.

Conditions not covered by this Warranty, or which might **void** this Warranty are as follows:

- x Improper Installation or Operation
- x Misuse
- x Abuse
- x Unauthorized or Improper Repair or Alteration
- x Accident or Negligence in Use, Storage, Transportation, or Handling
- x Any Acts of God or Nature
- x Non-OEM Parts

The use of Non-OEM parts or modifications to original equipment design will void the manufacturer warranty and could invalidate the assurance of complying with FAA requirements as published in Advisory Circular 150/5345-43.

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### **EE0 DUAL CONTROLLER**

#### Warranty & Return Policy

(continued)

**Field Service** – Labor, Travel, and Tower Climb are not covered under warranty. Customer shall be obligated to pay for all incurred charges. An extensive network of certified and insured Service Representatives is available if requested.

**Repair, Replacement or Product Return RMA Terms** – You must first contact our Customer Service Department at **713-973-6905** to acquire a Return Merchandise Authorization (RMA) number in order to return the product(s). Please have the following information available when requesting an RMA number:

- x The contact name and phone number of the tower owner or
- x The contact name and phone number of the contractor
- x The site name and number
- x The part number(s)
- x The serial number(s) (if any)
- x A description of the problem
- x The billing information
- x The Ship To address

This RMA number must be clearly visible on the outside of the box. If the RMA number is not clearly labeled on the outside of the box, your shipment will be refused. Please ensure the material you are returning is packaged carefully. The warranty is null and void if the product(s) are damaged in the return shipment.

All RMAs must be received by TWR LIGHTING®, INC., 10810 W. LITTLE YORK RD. #130, HOUSTON, TX 77041-4051, within 30 days of issuance.

Upon full compliance with the Return Terms, TWR® will replace, repair and return, or credit product(s) returned by the customer. It is TWR®'s sole discretion to determine the disposition of the returned item(s).

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### **EE0 DUAL CONTROLLER**

#### **Warranty & Return Policy**

(continued)

**RMA Replacements** – Replacement part(s) will be shipped and billed to the customer for product(s) considered as Warranty, pending return of defective product(s). When available, a certified reconditioned part is shipped as warranty replacement with a Return Merchandise Authorization (RMA) number attached. Upon receipt of returned product(s), inspection, testing, and evaluation will be performed to determine the cause of defect. The customer is then notified of the determination of the testing.

- x Product(s) that is deemed defective and/or unrepairable and covered under warranty a credit will be issued to the customer's account.
- x Product(s) found to have no defect will be subject to a \$75.00 per hour testing charge (1 hour minimum), which will be invoiced to the customer. At this time the customer may decide to have the tested part(s) returned and is responsible for the return charges.
- x Product(s) under warranty, which the customer does not wish returned, the customer will be issued a credit against the replacement invoice.

**RMA Repair & Return** – A Return Merchandise Authorization (RMA) will be issued for all part(s) returned to TWR® for repair. Upon receipt of returned product(s), inspection, testing, and evaluation will be performed to determine the cause of defect. The customer is then notified of the determination of the testing. If the returned part(s) is deemed unrepairable, or the returned part(s) is found to have no defect, the customer will be subject to a \$75.00 per hour testing charge (1 hour minimum), which will be invoiced to the customer. Should the returned parts be determined to be repairable, a written estimated cost of repair will be sent to the customer for their written approval prior to any work being performed. In order to have the tested part(s) repaired and/or returned, the customer must issue a purchase order and is responsible for the return shipping charges.

**RMA Return to Stock** – Any product order that is returned to TWR® for part(s) ordered incorrectly or found to be unneeded upon receipt by the customer, the customer may be required to pay a minimum **20% restocking fee**. Product returned for credit must be returned within 60-days of original purchase, be in new and resalable condition, and in original packaging. Once the product is received by TWR it's condition will be evaluated and a credit will be issued only once it is determined that the RMA Return Terms have been met.

<u>Credits</u> – Credits are issued once it is determined that all of the Warranty and Return Terms are met. All credits are processed on Fridays. In the event a Friday falls on a Holiday, the credit will be issued on the following Friday.

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#### **EE0 DUAL CONTROLLER**

#### **Warranty & Return Policy**

(continued)

<u>Freight</u> – All warranty replacement part(s) will be shipped via ground delivery and paid for by TWR<sup>®</sup>. Delivery other than ground is the responsibility of the customer.

REMEDIES UNDER THIS WARRANTY ARE LIMITED TO PROVISIONS OF REPLACEMENT PARTS AND REPAIRS AS SPECIFICALLY PROVIDED. IN NO EVENT SHALL TWR® BE LIABLE FOR ANY OTHER LOSSES, DAMAGES, COSTS, OR EXPENSES INCURRED BY THE CUSTOMER, INCLUDING, BUT NOT LIMITED TO, LOSS FROM FAILURE OF THE PRODUCT(S) TO OPERATE FOR ANY TIME, AND ALL OTHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING ALL PERSONAL INJURY OR PROPERTY DAMAGE DUE TO ALLEGED NEGLIGENCE, OR ANY OTHER LEGAL THEORY WHATSOEVER. THIS WARRANTY IS MADE BY TWR® EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED. WITHOUT LIMITING THE TWR® MAKES THE FORGOING. NO WARRANTY GENERALITY OF MERCHANTABILITY OR FITNESS OF THE PRODUCT(S) FOR ANY PARTICULAR PURPOSE. TWR® EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES.



## Enlightened Technology®

### **EE0 DUAL CONTROLLER**

### **RETURN MERCHANDISE AUTHORIZATION (RMA) FORM**

RMA#:	DATE:		
CUSTOMER:			
CONTACT:	PHONE NO.:		
ITEM DESCRIPTION (PART NO.	):		
MODEL NO.:	SERIAL NO.:		
ORIGINAL TWR INVOICE NO.:_	DATED:		
DESCRIPTION OF PROBLEM:_			
SIGNED:			
RETURN ADDRESS:			

PLEASE RETURN PRODUCT TO: 10810 W. LITTLE YORK RD., #130 HOUSTON, TX 77041-4051



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### **EE0 DUAL CONTROLLER**

### **RETURN MERCHANDISE AUTHORIZATION (RMA) FORM**

RMA#:	DATE:		
CUSTOMER:			
CONTACT:	PHONE NO.:		
ITEM DESCRIPTION (PART NO.	):		
MODEL NO.:	SERIAL NO.:		
ORIGINAL TWR INVOICE NO.:_	DATED:		
DESCRIPTION OF PROBLEM:_			
SIGNED:			
RETURN ADDRESS:			

PLEASE RETURN PRODUCT TO: 10810 W. LITTLE YORK RD., #130 HOUSTON, TX 77041-4051