



Operational Manual

7 Super Power IR LED Illuminator



FC CE  RoHS

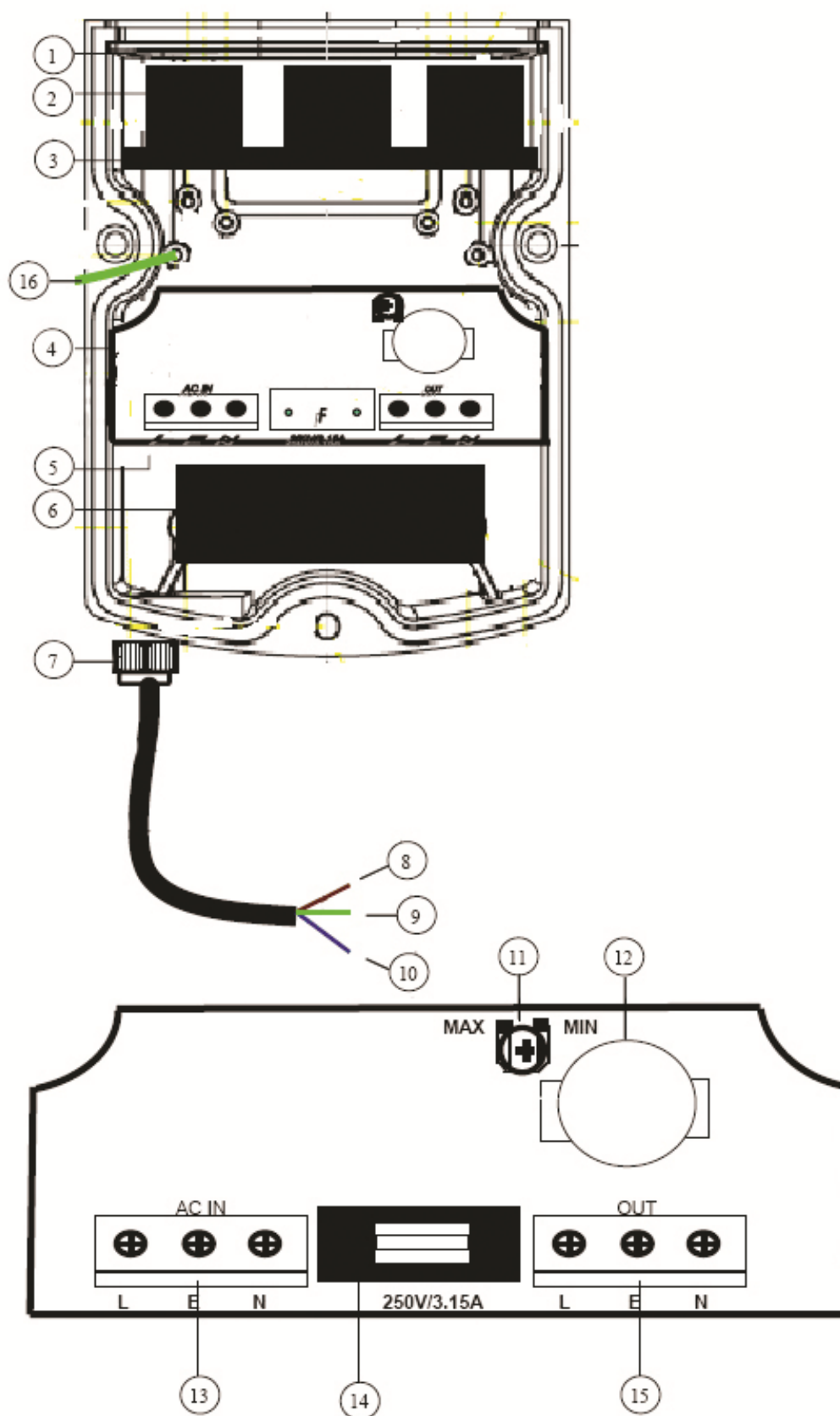
* UL certification only refers to the power converter and the power module.

* Please use an independent power supply for the IR LED Illuminator.

FEATURES

- 7 Super Power IR LED, 4pc x 25° / 3pc x 45°
- IR Distance up to 150~200ft / 45~70m ▲
- IP66 Rating
- User Adjustable IR LED Intensity **(VR)**, Factory Default 80% ◆
- Uses professional rust-proof stainless steel screws
- Includes 1 side and 1 underneath mounting plate
- 24V AC, 40VA

PART DESCRIPTION



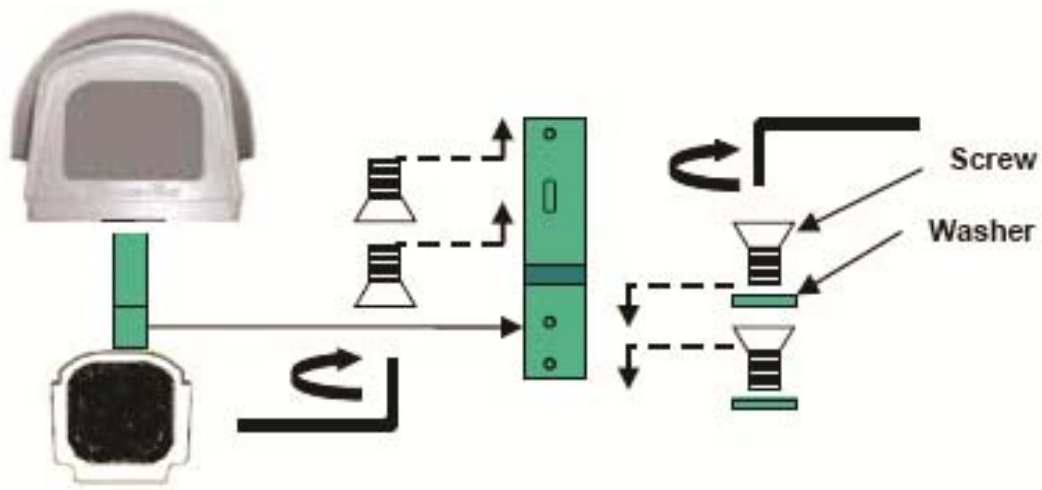
1. Temper Glass
2. IR LED: 7pcs Super Power IR LED with refractor
3. IR Board and IR Board Bracket
4. IR Control Board
5. Power Supply Unit: 24V AC, 40VA
6. Blower and Blower Bracket
7. Cable Conduit
8. Live (L): Brown wire
9. Earth (E): Yellow/Green wire
10. Neutral (N): Blue wire
11. VR: Adjust VR to set infrared LED activation level

Factory default 80 % -- If there is not enough IR light, adjust the level to maximum 100% ♦

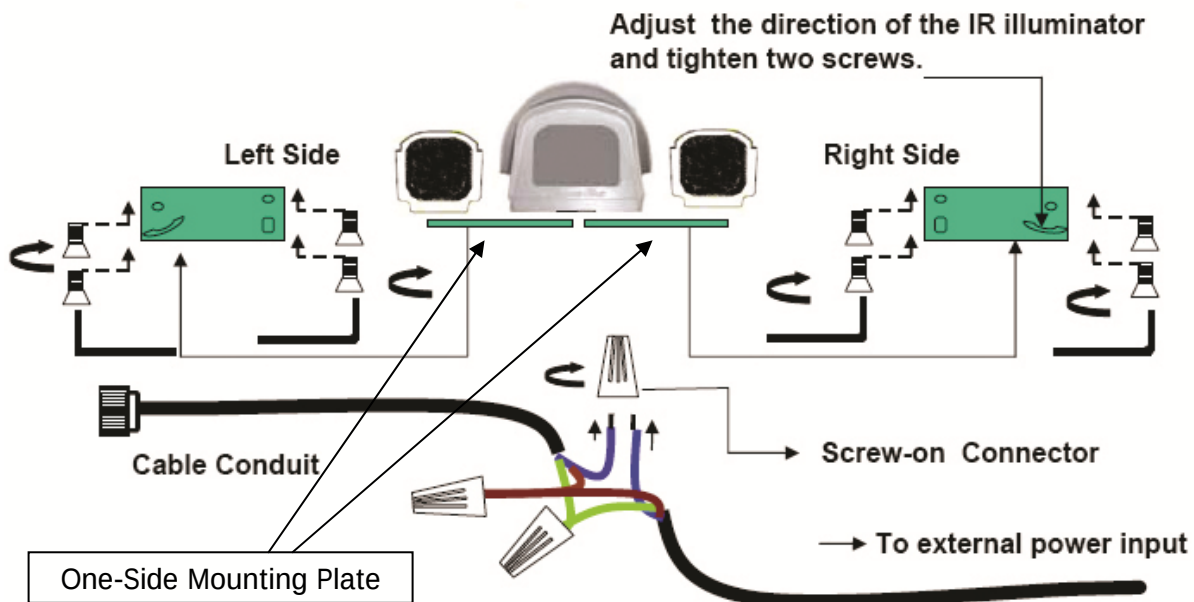
12. Thermostat Switch: Turns on at 35°C / 95°F and turns off at 25°C / 77°F for blower
13. Terminal Block: 24V AC external power input
14. Fuse Holder: With 250V / 3.15A fuse
15. Terminal Block: To power supply unit
16. Ground wire: To top cover

WIRING INSTRUCTION

1. Underneath Mounting Plate (Included)



2. One-Side Mounting Plate (Only 1 Included)



POSSIBLE APPLICATIONS

A.



- Optional Semi-Managed Bracket IRB-TBT

B.



- Use with any O.K.I.USA PRO Series housing
- Underneath Mounting Plate included

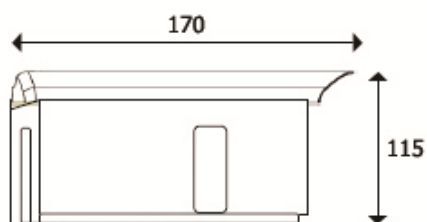
C.



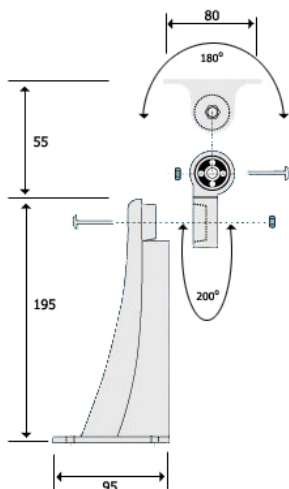
- Use with any O.K.I.USA PRO Series housing and Double Side Mounting Plate IRM-TDP

DIMENSIONS (mm)

IR7-TIR:



Optional IRB-TBT Semi-Cable Managed Bracket (Not Included):



- Max Load: 3500g
- Material: Die-cast aluminum alloy with light ivory powder coated and stove finish
- Scan Angle: 200°
- Tilt Angle: 180°
- Net Weight: 700g
- Fixing: 3 Screws with bushings

GENERAL SPECIFICATIONS

Model	IR7-TIR
LED Quantity	7 Super Power IR LED
IR LED Beam Angle	4pc x 25° / 3pc x 45°
IR Wave Length	850nm
IR Distance	Up to 150~200ft / 45~70m ▲
IR Light On/Off	Auto Light Sensor Control
Blower Control	35°C / 95°F (on); 25°C / 77°F (off)
Environmental Operating Temp.	-20°C ~ +45°C / -4°F ~ 113°F
IP Rating	IP66
Temper Glass Thickness	4mm
Mounting Method	Side or Underneath
Construction	Die-Cast Aluminum Alloy
Coating	Ivory Powder Stove
Required Power Supply / Transformer *	24V AC (+/-10%), 40VA
Power Consumption	7.2 Watts
Dimension	6.69"(L) x 4.72"(W) x 4.53"(H) / 170mm(L) x 120mm(W) x 115mm(H)
Weight	3.31 lbs / 1500g (w/out bracket) 5.42 lbs / 2460g (with bracket)

* Power supply / transformer not included

▲ **NOTE 1:** IR light distances are entirely dependant upon environmental site conditions and the location at which the unit is situated. The type of camera being used is also very important.

◆ **NOTE 2:** Factory default for the IR LED activation level is 80%. If there is not enough IR light, adjust the **VR** level to maximum 100%. Please see #17 in the Part Description section on page 1.

PACKAEGE CONTENTS

- One (1) IR7-TIR IR Illuminator with power cable
- One (1) Underneath Mounting Plate
- One (1) One-Side Mounting Plate
- One (1) Operational Manual
- One (1) Main Accessories Pack
 - Four (4) Rust-proof Stainless Steel Screws
 - Six (6) Plastic Washers
 - One (1) Allen Wrench
 - Three (3) Screw-on Connectors

* For any returns, please include all components listed above with original packaging in **Resalable Condition**. **Absolutely No Returns** will be accepted if any component is missing/damaged or if any cable is cut or tampered with.



WARRANTY

OKINA USA Products are covered under warranty for one year from the date of purchase. The warranty will automatically be voided if any of the following occurs:

1. Product sticker is removed

If the product sticker is removed, we will not be able to confirm any information regarding when and where the product was purchased. We have no other way to verify the purchase record without the serial number on the product sticker; therefore, it should not be removed.

2. Product is modified in any way

If the product is scratched, damaged, or modified in a manner not described in this manual, the warranty will be voided immediately. It is the customer's responsibility to keep the product in good condition.

3. Power cable is cut

The power cable and any other cable should not be tampered with. Cutting or modifying of the cables will result in termination of the warranty.



IMPORTANT NOTE

1. Read and follow instructions

All operating and user instructions should be read and followed before the unit is to be operated.

2. Secure all screws

Please make sure all rust-proof stainless steel screws are installed securely to ensure a waterproof seal.

3. Electrical connections

Only a qualified electrician should be allowed to make electrical connections.

4. Do not disassemble the product

Do not disassemble the product as it is dangerous and may cause damage to the product. Refer all servicing to qualified service personnel.

5. Handle the product with care

Be careful when handling the product. Do not drop it or subject it to strong shock or vibrations in order to prevent any damage to the product. Do not handle the product in a wet environment or when your hands are wet.

6. Reducing risk

To reduce risk of fire or electric shock, do not remove cover. Do not open product in wet weather. No user serviceable parts inside. Refer servicing to qualified service personnel.

7. Unpacking

Unpack carefully. Electronic components can be damaged if improperly handled or dropped. If an item appears to have been damaged during shipment, please place it properly in its carton and notify the shipper.

8. Installation notice

Tropical, coastal salt water environment:

If you plan to install this product into a tropical, sea, coastal salt water or corrosive industrial water/mist environment, please seal each stainless screw and fitting with a silicon grease compound. This will help prevent electrolysis corrosion occurring and extend the lifespan of the product and housing and prevent premature deterioration.

Why PRO Series?

- Constructed from Heavy Duty Die-Cast Aluminum Alloy
- User adjustable IR LED intensity (VR)
- Uses professional rust-proof Stainless Steel Screws
- Fully-cable managed mounting bracket (except for IR7-TIR)
- IP66 rating or above on most products

High Resolution IR LED Day & Night Camera with ICR SIV7-T54AI922

- 1/3" Sony Super HAD CCD, 540 TV Lines
- 7 Super Power IR LED, IR Distance 200~250ft / 60~80m
- 9.0mm~22.0mm Auto Iris ED-IR Lens
- Built-in IR Cut Filter Removable (ICR)
- 24V AC, 60VA



IR LED Illuminator with Housing & Bracket HI7-TKHBL

- 7 Super Power IR LED
- IR Distance up to 250ft / 80m
- 24V AC, 60VA

HI11-TKHBL

- 11 Super Power IR LED
- IR Distance up to 395ft / 120m
- 24V AC, 60VA



Housing & Bracket Front Opening HUB-TF HUB-TFHB

- IP67 Rating
- Includes Heater & Blower for HUB-TFHB
- 24V AC, 40VA



Housing & Bracket Side Opening HUB-TS HUB-TSHB

- IP68 Rating
- Includes Heater & Blower for HUB-TSHB
- 24V AC, 40VA



IR LED Illuminator IR7-TIR

Possible Applications:

- 7 Super Power IR LED
- IR Distance up to 150~200ft / 45~70m
- Includes 1 Side & 1 Underneath Mounting Plate
- 24V AC, 40VA



Ceiling Mount Adaptor HUA-TCE



Corner Mount Adaptor HUA-TCO



Pole Mount Adaptor HUA-TPO

