

IMPORTANT SAFEGUARDS

1. Read Instructions

All the safety and operating instructions should be read before the unit is operated.

2. Retain Instructions

The safety and operating instructions should be retained for future reference.

3. Head Warnings

All warnings on the unit and in the operating instructions should be adhered to.

4. Follow Instructions

All operating and user instructions should be followed.

5. Electrical Connections

Only a qualified electrician should make electrical connections.

6. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.



7. Cable Runs

All cable runs must be within permissible distance.

8. Mounting

This unit must be properly and securely mounted to a supporting structure capable of sustaining the weight of the unit.

SAFETY PRECAUTIONS

	CAUTION RISK OF ELECTRIC SHOCK	
<p><i>CAUTION :</i> TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT OPEN COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>		



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the unit.

UNPACKING

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

Be sure to save:

1. The shipping carton and packaging material. They are the safest material in which to make future shipments of the equipment.
2. This Installation and Operating Instruction.

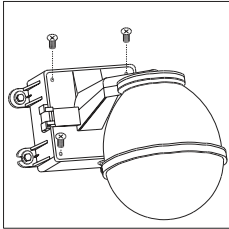
SERVICE

If the unit ever needs repair service, the customer should contact our dealer or branch for authorization to return and shipping instructions.

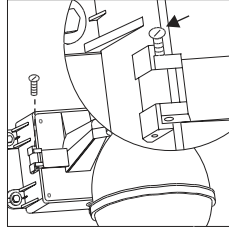


INSTALLATION

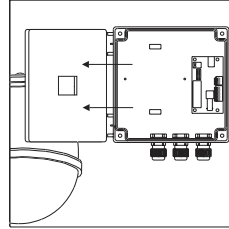
Step 1 Separate The Housing and PSU Box



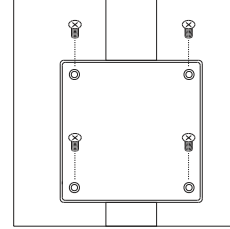
Untighten the screws from PSU box



Untighten and pull out the bolt from the hinge



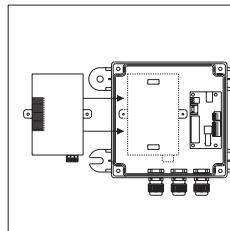
Separate the housing and PSU box



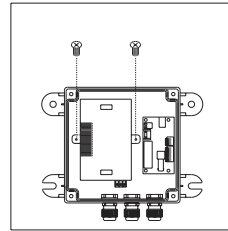
Untighten the screws from PSU box and open it. (Swan Neck)

Step 2 Install Power Supply Unit

- When use 24Vac power source:

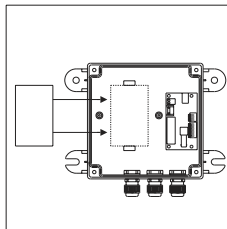


Put the PSU into the box

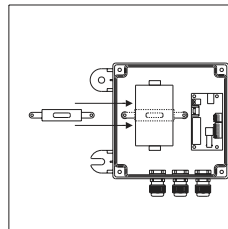


Tighten 2 screws to fix the PSU

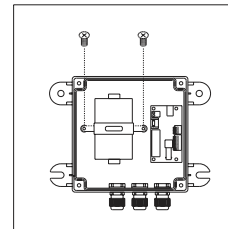
- When use 90~260Vac power source:



Put PSU into the box

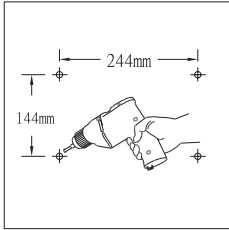


Put the clamp on PSU

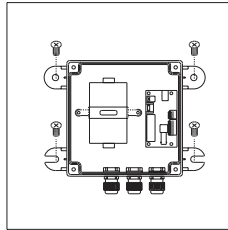


Tighten 2 screws to fix the PSU

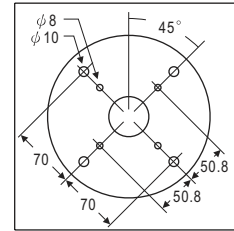
Step 3 Install the Power Box



Drill 4 holes on desired locations



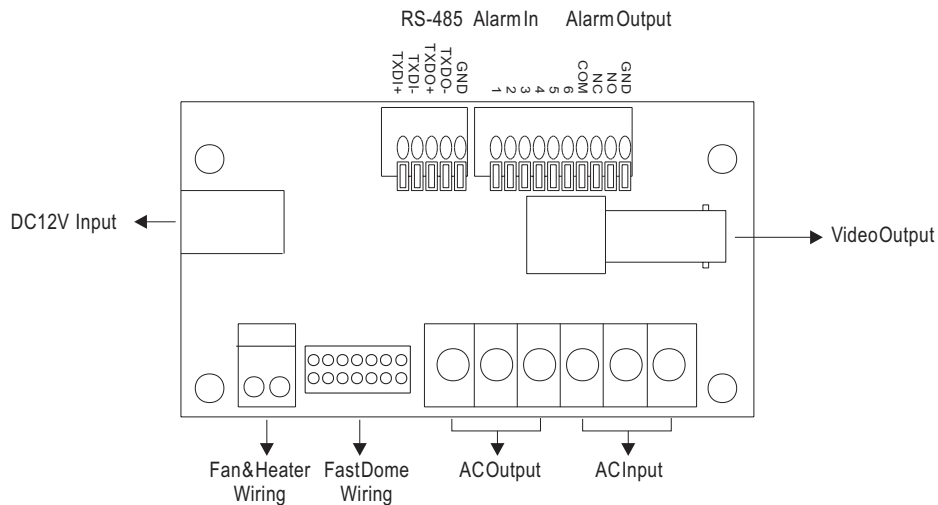
Tighten 4 screws to fix the power box
(These four screws are not supplied.
User must prepare their own screws.)



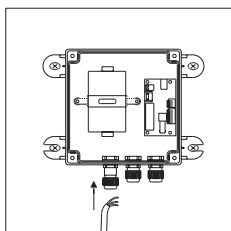
Drill holes on the intended positions of the wall.
(Goose Neck)

Step 4 Connection

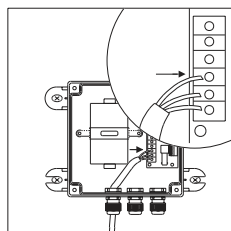
● Outdoor Housing Connection



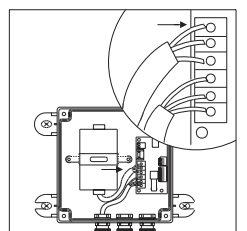
1. Connect AC / DC cables:



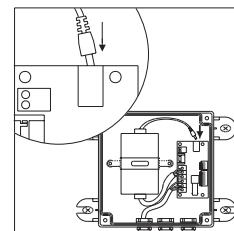
Untighten the left knob, put the AC power cable through the hole and tighten the knob



Connect the AC power cable to AC Input jack

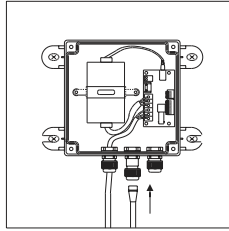


Connect the AC power cable (below) to AC Output jack

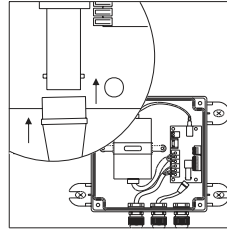


Connect the DC power cable (above) to DC Input jack

2. Connect Video cable:

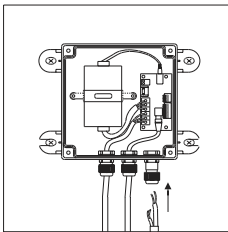


Untighten the middle knob, put the video cable through the hole and tighten the knob

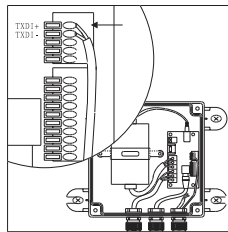


Connect the video cable to output jack

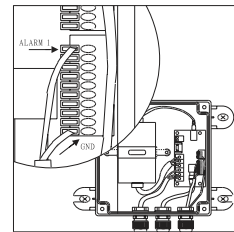
3. Connect Alarm, telemetry control (RS-485) and Video cables:



Untighten the right knob, put the Alarm and RS-485 cables through the hole and tighten the knob



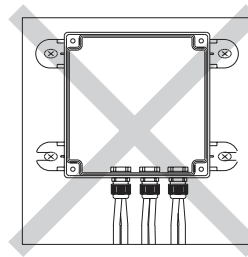
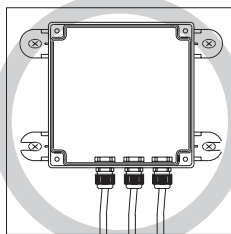
Connect the telemetry control (RS-485) to RS-485 Input (TXDI+, TXDI-)



Connect the Alarm input cable to Alarm Input (Alarm 1 & GND)

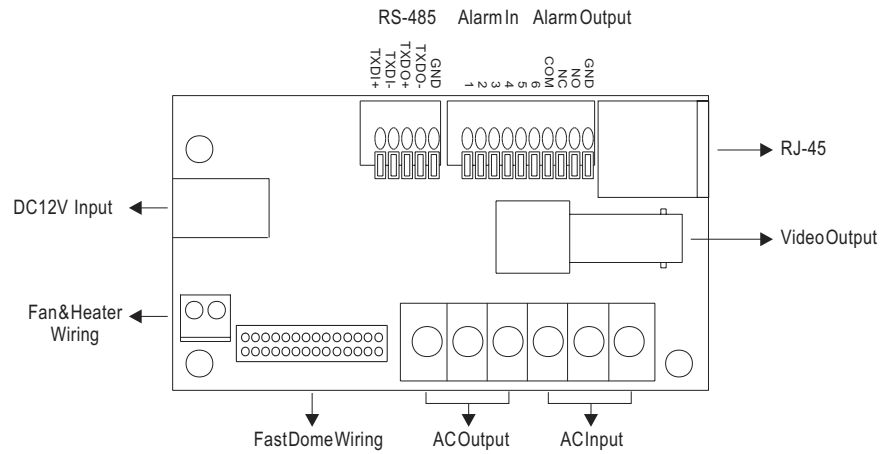
CAUTION

- For better waterproofing, please use one cable with one knob only. (Recommended)
- When using two cables with one knob, please fill the seam between cables with waterproof glu to make it waterproof.

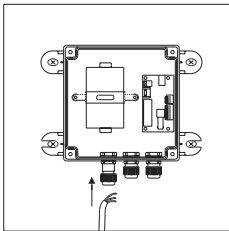


Cable diameter for the knob : 5~12mm

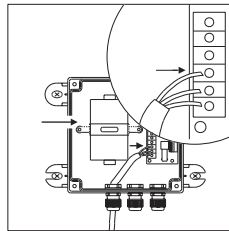
● Outdoor Housing for IP Series Connection



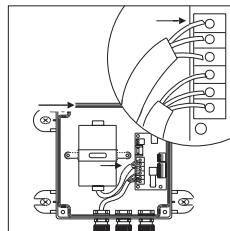
1. Connect AC / DC cables:



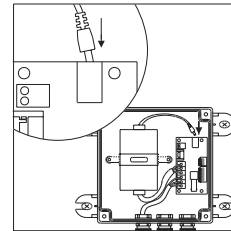
Untighten the left knob, put the AC power cable through the hole and tighten the knob



Connect the AC power cable to AC Input jack

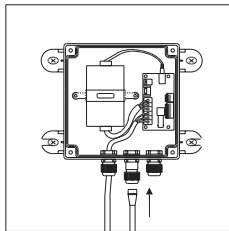


Connect the AC power cable (below) to AC Output jack

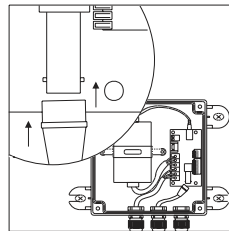


Connect the DC power cable (above) to DC Input jack

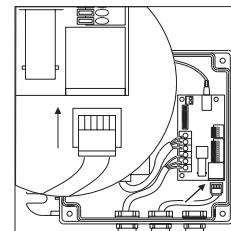
2. Connect RJ-45 and Video cables:



Untighten the middle knob, put the video and RJ-45 cables through the hole and tighten the knob

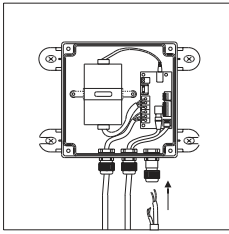


Connect the video cable to output jack

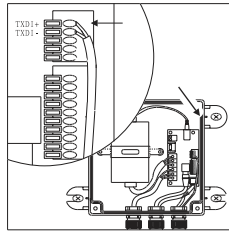


Connect the network cable to RJ-45 jack

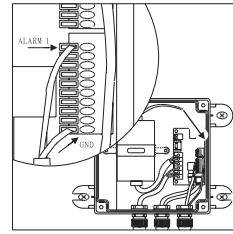
3. Connect Alarm, RS-485, cables:



Untighten the right knob, put the Alarm and RS-485 cables through the hole and tighten the knob



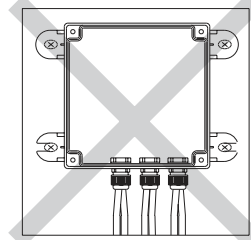
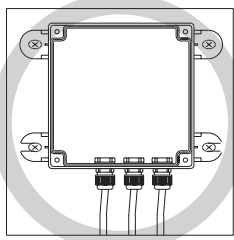
Connect the telemetry control (RS-485) to RS-485 Input (TXDI+,TXDI-)



Connect the Alarm input cable to Alarm Input (Alarm I & GND)

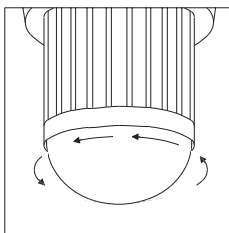
CAUTION

- For better waterproofing, please use one cable with one knob only. (Recommended)
- When using two cables with one knob, please fill the seam between cables with waterproof glu to make it waterproof.

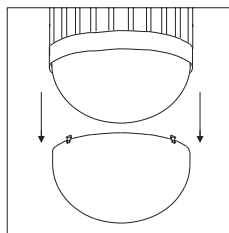


Cable diameter for the knob : 5~12mm

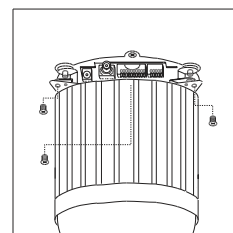
Step 5 Attach the Base to Housing



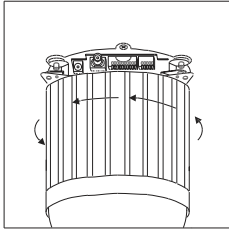
Turn the dome cover anti-clockwise



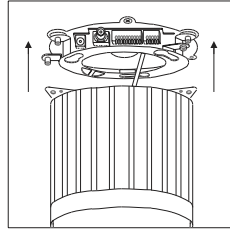
Separate the dome cover from camera



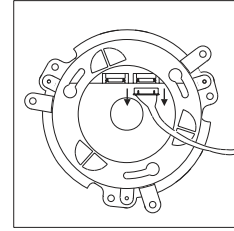
Untighten the 3 screws from base



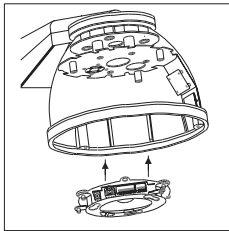
Turn the camera body anti-clockwise



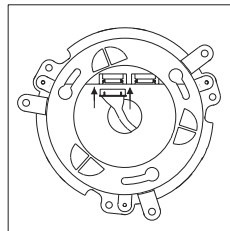
Separate the camera body and base



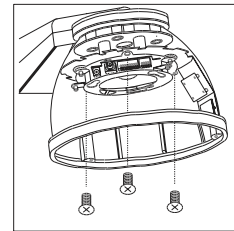
Unplug the connection cable



Attach the base to housing

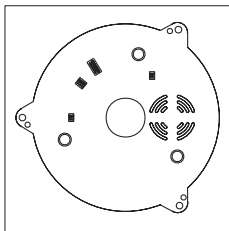


Connect the housing cable



Tighten 3 screws to fix base

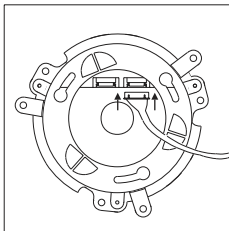
Step 6 Camera Setting



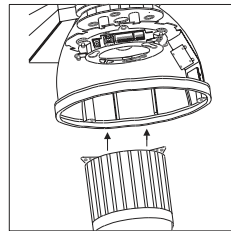
- Setting Fast Dome ID
- Setting Alarm Mode
- Setting Camera Function
- Setting Fan Power

Refer to FastDome operation manual for camera setting

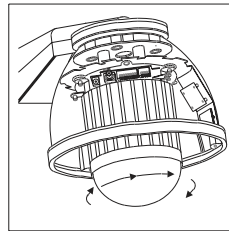
Step 7 Attach Camera Body and Base



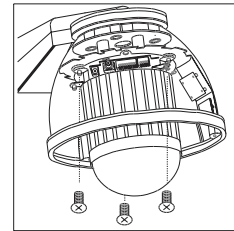
Reconnect the connection cable



Attach camera body to base

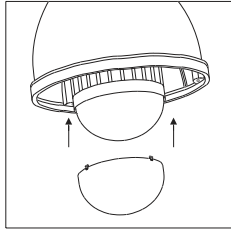


Turn camera body clockwise to high position

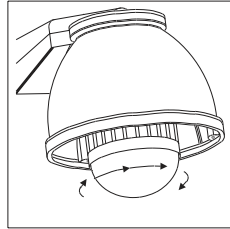


Tighten the three screws to fix the camera body

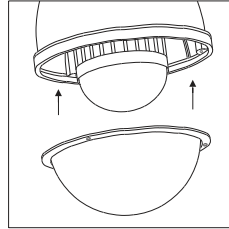
Step 8 Install The Dome Cover and Housing Cover



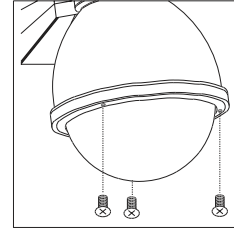
Attach the dome cover to camera



Turn the dome cover clockwise to tight position

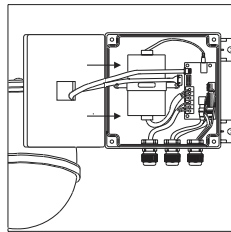


Attach the cover to housing

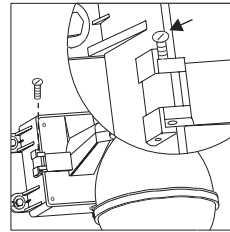


Tighten the 3 screws to fix the cover

Step 9 Attach PSU and Bracket

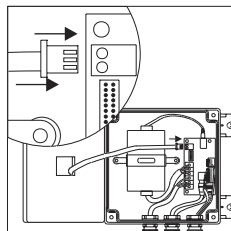


Attach the housing back to PSU box

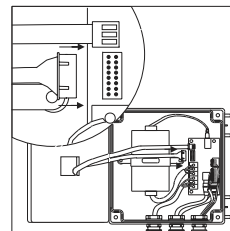


Insert the bolt into the hinge and tighten

Step 10 Connection Between Housing and FastDome



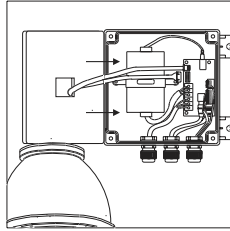
Connect the fan & heater cable to pin jack



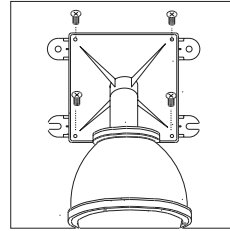
Connect the Fast Dome cable to connection jack

Step 11 Install the Power Box, Bracket and Housing

● Pendant

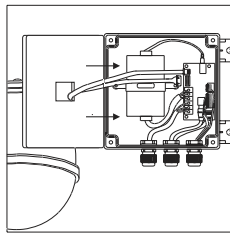


Attach the bracket and housing to the box

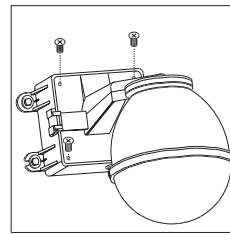


Tighten the 4 screws to fix the bracket

● Wall Mounting

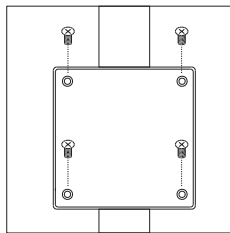


Attach the bracket and housing to the box



Tighten the 4 screws to fix the bracket

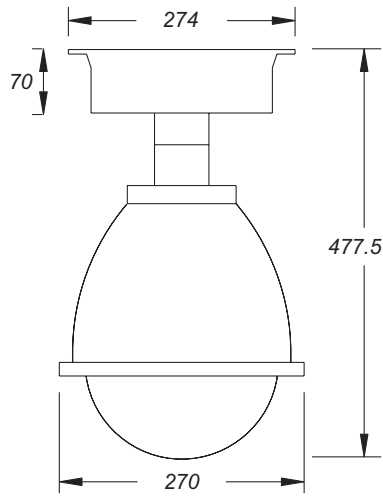
● Swan Neck



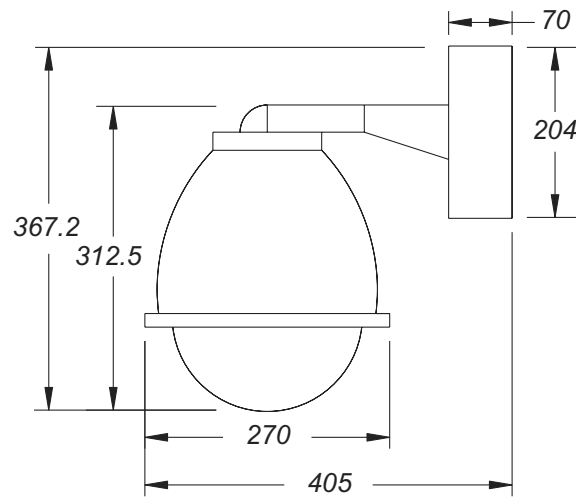
Tighten the screws of PSU box to fix the cover.

STRUCTURAL DRAWING

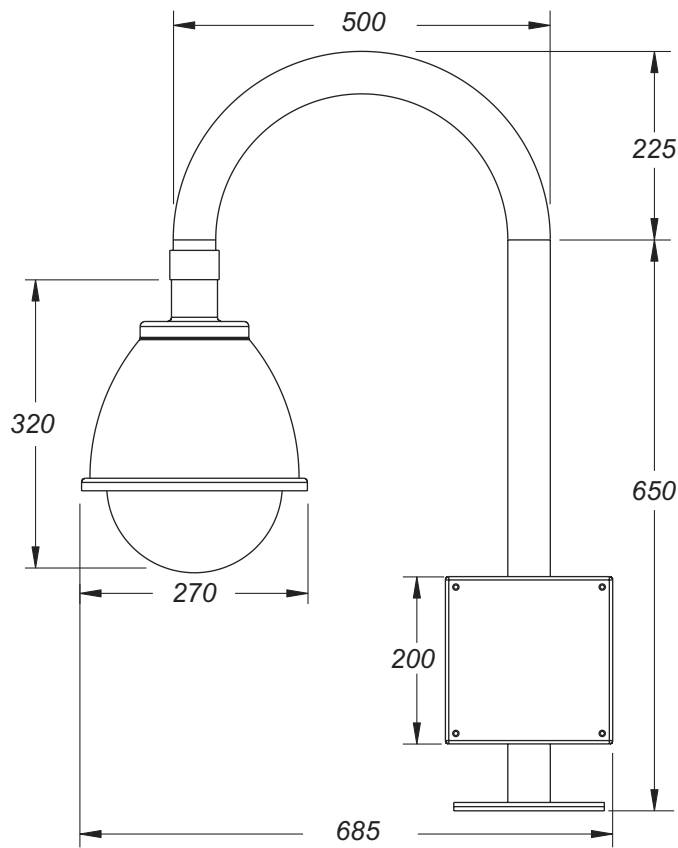
● Pendant



● Wall Mounting



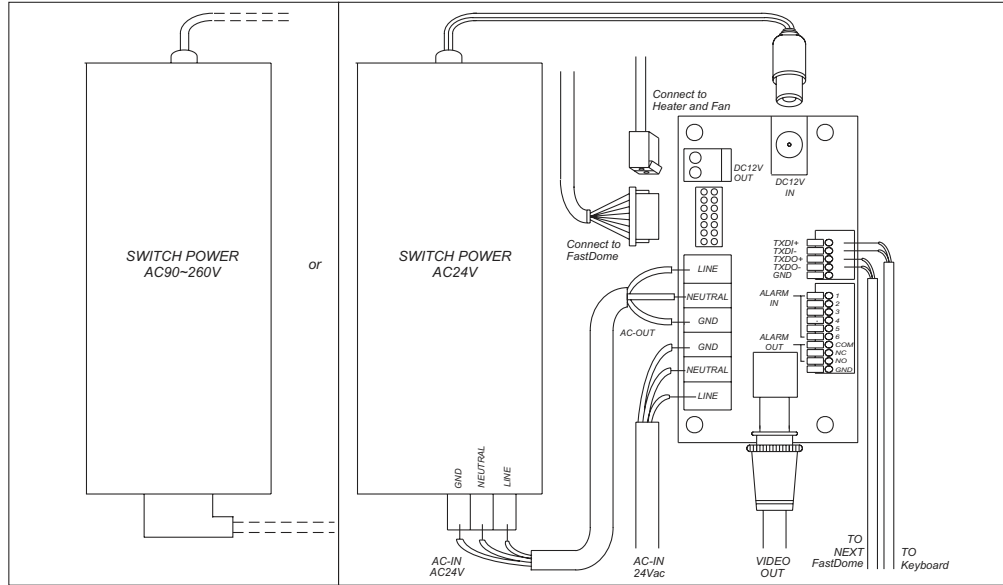
● Swan Neck



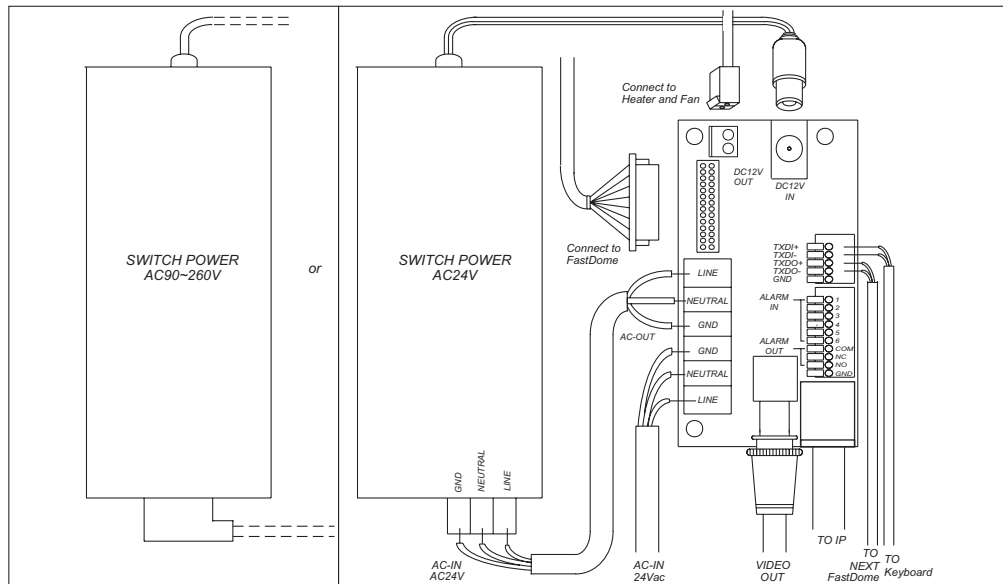
Unit: MM

WIRING DIAGRAM

● Outdoor Housing



● Outdoor Housing for IP Series



SPECIFICATION

- Outdoor Housing

Model No.		PIH-510 H	PIH-510 L	PIH-510 G
Type		Pendant	Wall Mounting	Swan Neck
Construction	Bracket	Aluminum		
	Top	Flame Resistant ABS		
	Internal Fixing	Steel		
	Housing	Polycarbonate		
Connection PCB	Input Voltage	DC12V		
	Current Consumption	700mA (Fan + Heater)		
	RS-485	RS-485 In (2 inputs) RS-485 Out (2 outputs)		
	Alarm	Alarm-In (6 inputs) Alarm-Out (3 outputs)		
Heater Activation		On : +15 °C OFF : +25 °C		
Fan Activation		On : +35 °C OFF : +25 °C		
Dimension		270mm(φ) x 297.5mm(H)		
Weight		4.8Kg	5Kg	10Kg

- Outdoor Housing for IP Series

Model No.		PIH-510 H	PIH-510 L	PIH-510 G
Type		Pendant	Wall Mounting	Swan Neck
Construction	Bracket	Aluminum		
	Top	Flame Resistant ABS		
	Internal Fixing	Steel		
	Housing	Polycarbonate		
Connection PCB	Input Voltage	DC12V		
	Current Consumption	700mA (Fan + Heater)		
	RS-485	RS-485 In (2 inputs) RS-485 Out (2 outputs)		
	RJ-45	One RJ-45 for Ethernet (10 Base-T)		
	Alarm	Alarm-In (6 inputs) Alarm-Out (3 outputs)		
Heater Activation		On : +15 °C OFF : +25 °C		
Fan Activation		On : +35 °C OFF : +25 °C		
Dimension		270mm(φ) x 297.5mm(H)		
Weight		4.8Kg	5Kg	10Kg