

User's Manual

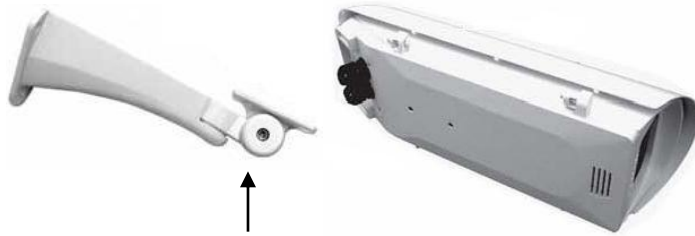
Model No: TPH-3000 Series

I. Introduction

The TPH-3000 series Camera Housing is constructed by die-cast aluminum alloy with powder coated finished and equipped with adjustable BR-15 (Fully-Cable Managed) or BR-16 (Semi-Cable Managed) Mounting Bracket. The Product is CE certified, owns IP 67 or IP 44 environmental protection level and conform with RoHS regulations.

II. Mounting Configuration and Dimensions of TPH 3000

BR-16 Semi-Cable Managed Bracket

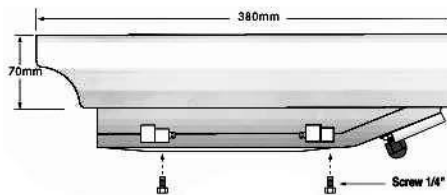


Adjust position and direction

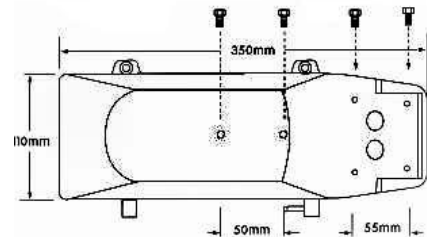
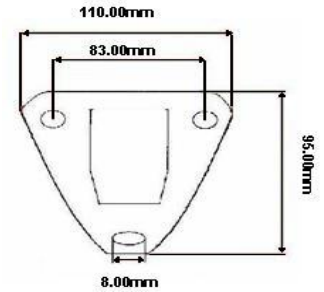


BR-15 Fully-Cable Managed Bracket

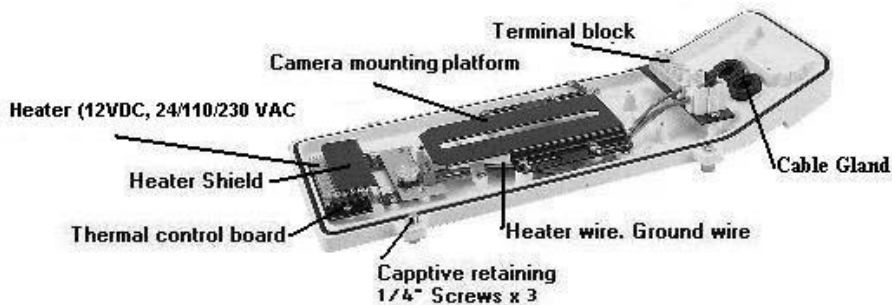
Inner space for camera mount
W90 x H70 x L260mm



Dimensions of Bracket Base



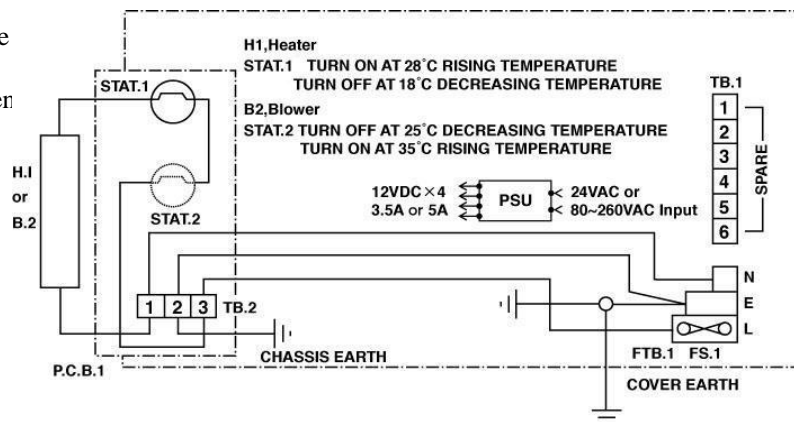
III. Fitting instructions for camera.



IV. Wiring Diagram

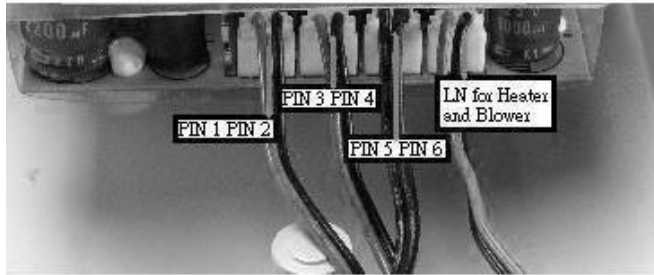
Inside the internal wiring diagram of TPH 3000 for the window demister. A spare 6 way terminal block is provided at the rear of the housing for the camera when necessary and lens connections. Circuit identified as follows:

- TB.1 6 way terminal block
- TB.2 3 way terminal block
- FTB.1 Fused terminal block
- STAT.1 18°C Thermostat
- STAT.1 35°C Thermostat
- H.1 Heater
- PSU Power Supply Unit
- P.C.B.1 Thermal control circuit board
- FS.1 3 Amp. Fuse



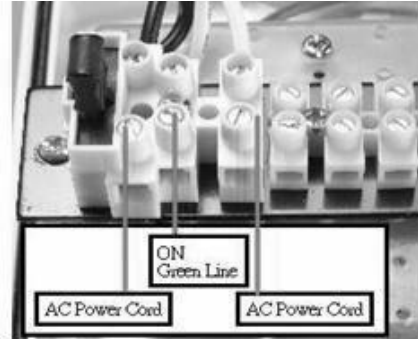
DC output of PSU connectors

1. Pin1,2 and pin 3,4 is DC 12V output for motor lens, IR illuminator, siren or speaker use. If no use please remove cable from connector.
2. Pin 5,6 is for DC12V output for camera.



AC power connection

Shows how to connect the AC power cord to the FTB. 1 connector.



V. INSTALLATION SUGGESTION:

If you plan to install this camera into a tropical, sear coastal, saltwater or corrosive industrial water/moist environment, please seal each stainless steel screw and fittings with a silicon grease compounds. This will help prevent electrolysis corrosive occurring and extend the lifespan of the camera and housing.

IMPORTANT NOTE:

1. **Disconnect Device:** A disconnect device from main supply shall be incorporated in the building installation wiring.
2. **Electrical Connections:** Only a qualified electrician allow to make electrical connections.

Model No.	Features	Single heater		Double heaters*		Blower (IP44)		PSU (power supply unit)			
		12Vdc / 24Vac	110 / 230Vac	12Vdc / 24Vac	110 / 230Vac	12Vdc	24Vac	880	080	324	424
3000	1. Turn on at 18°C 2. Turn off at 28°C										
3000-12/24HS		●									
3000-12/24HD				●							
3000-012/F						●					
3000-012/HF		●				●					
3000-024/F							●				
3000-024/HF		●					●				
3000-110/230HS			●								
3000-110/230HD					●						
3000-080/HS		●							●		
3000-080/HD				●					●		
3000-080/F						●			●		
3000-080/HF		●				●			●		
3000-080/HC**		●							●		
3000-324/F						●				●	
3000-324/HF		●				●				●	
3000-324/HC**		●								●	
3000-880/F						●		●			
3000-880/HF			●			●		●			
3000-880/HC**			●					●			
3000-424/F						●					●
3000-424/HF		●				●					●
3000-424/HC**		●									●

*First heater prevents moisture on the window glass till weather temperature -25°C, second heater is heating in housing for camera operation properly till weather temperature -40°C

**With 12Vdc camera jet