TRANS PAC
CCTV EQUIPMENTS

External Camera Enclosure

Type TPH -5000 Series

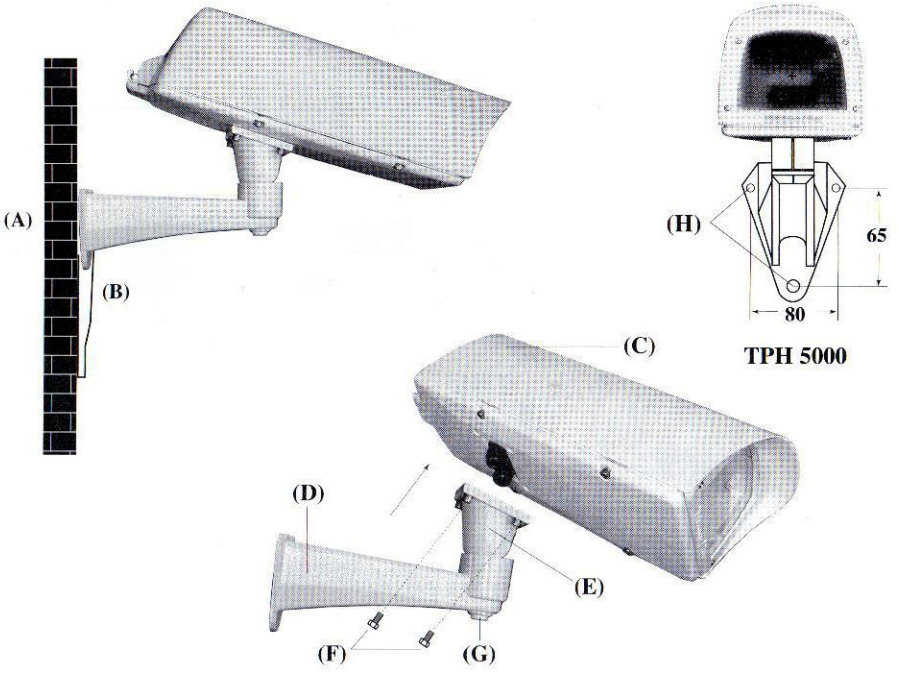
User's Manual

Ⅰ. Introduction

The TPH 5000 series Camera Enclosure is constructed from die-cast aluminium and is powder coated and stove finished. The design and manufacture is to the highest technical standard with environmental protection to level IP 66. The Enclosure is supplied complete with an adjustable Fully-Cable-Managed moumting bracket (the concealed cable channel inside mounting bracket.)

Ⅱ. Mounting configuration of TPH 5000 series

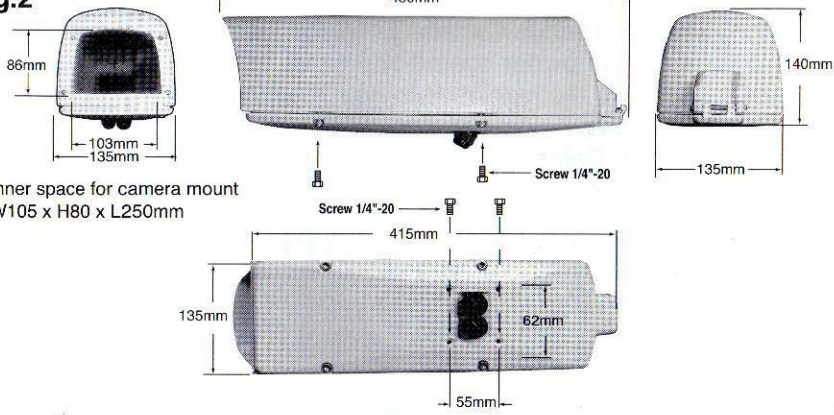
Fig.1



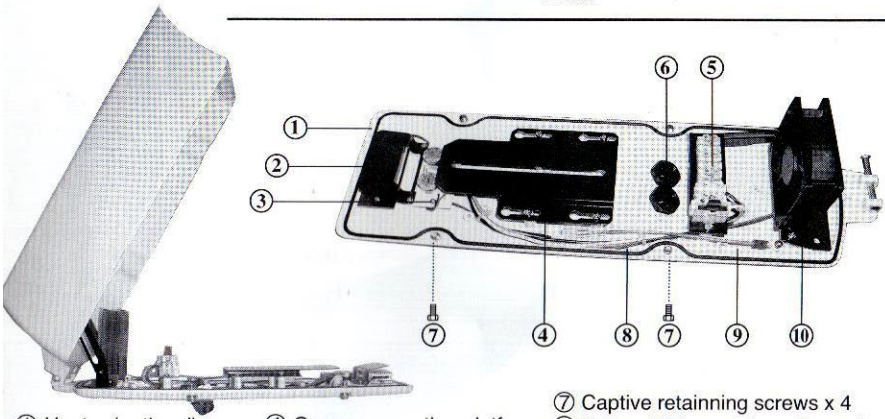
1. Use the rear section of the Mounting Bracket (D) as a template for marking the position on the wall of the Mounting Holes (H). Remove & drill to pattern required.
2. Attach the Mounting Bracket arm to the wall using the rawlplugs and screws provided.
3. Feed cables from the main Enclosure (C) through the hole of Mounting Plate (E) on the Mounting Bracket (D), then feed cable again to concealed cable channel inside the Mounting Bracket throughout wall outlet (A) or bracket outlet (B).
4. Attach the main Enclosure (C) to the Mounting Plate (E) of Bracket with 4 of 1/4"-20 Trilobular screws (F) provided.
5. Release Screw (G) on the Mounting Bracket to pan and tilt the Enclosure. Position the Enclosure as required for the correct camera coverage then tighten Screw to secure.

Ⅲ. Fitting instructions for camera

Fig.2

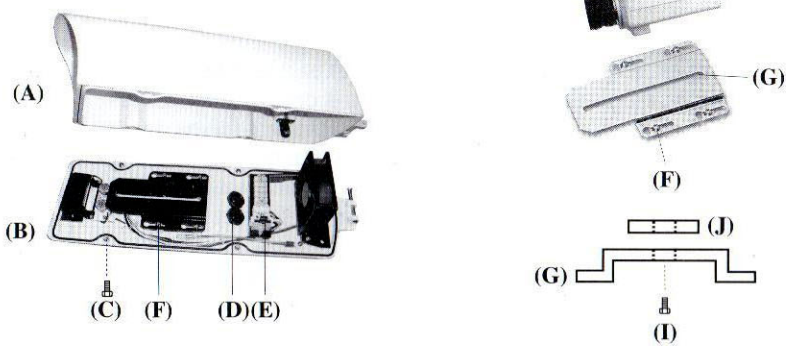


■ Inner space for camera mount
W105 x H80 x L250mm



① Heater (optional)
② Heat shield
③ Thermal control board
④ Camera mounting platform
⑤ Terminal block assembly
⑥ Cable conduits PGB11 x 2
⑦ Captive retainning screws x 4
⑧ Heater & blower wires, Ground wire
⑨ Ground wire
⑩ Blower (optional)

Fig.3



1. Unscrew the 4 captive Retaining Screws (C) and remove the Housing Cover (A) from the Housing Base (B).
2. Release the 4 Keyhole Screws (F) and then slide and withdraw the Camera Platform (G) from the Housing Base (B).
3. Mount the Camera (H) onto Platform (G) using the 1/4" UNC Screw (I) Supplied, ensuring that the Insulation Pad (J) is mounted between the Platform and the Camera. Always check that the Camera is firmly attached to the Platform.
4. Connect the Camera / Heater power cable to the rear Terminal Block (E) through the first Cable Conduit (D) referring to the circuit diagram shown in section IV. for the terminal designations.
5. Connect the video cable to the Camera through the second Cable Conduit(D).

IMPORTANT NOTE:

ALWAYS UNPLUG THE TOP SECTION OF THE EARTH WIRE FROM THE BASE WHEN DISASSEMBLING THE HOUSING. REMEMBER TO PLUG THE TOP AND BOTTOM TOGETHER AGAIN WHEN REASSEMBLING THE HOUSING.

Ⅳ. Wiring diagram

Fig.4 shows the internal wiring diagram of TPH 5000 series for the window demister. A spare 6 way terminal block is provided at the rear of the enclosure for the camera when necessary and lens connections. Circuit identified as follows:

TB.1	6 way terminal block	H.1	Heater	12 VDC ☐
TB.2	3 way terminal block		Heater	24 VAC ☐
FTB.1	Fused terminal block		Heater	110 VAC ☐
FS.1	3 Amp. Fuse		Heater	230 VAC ☐
STAT.1	25°C Thermostat	B.2	Blower	12 VDC ☐
STAT.2	35°C Thermostat		Blower	24 VAC ☐
		P.C.B.1	Thermal control board	

Fig.4 Wiring diagram of TPH 5000