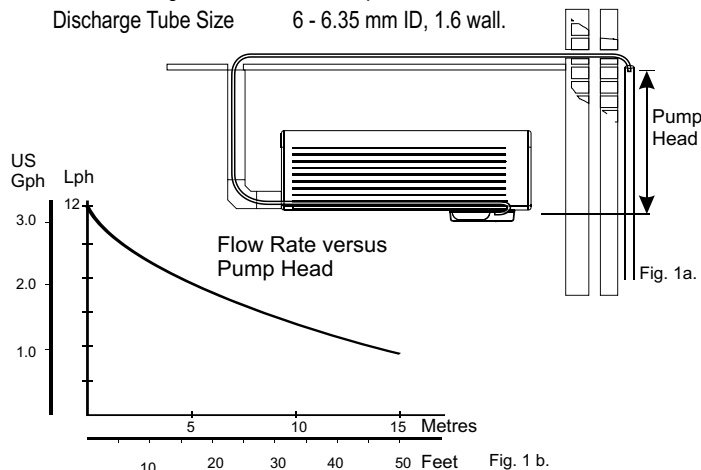


SPECIFICATIONS

Model	LIM.4000.0
Supply Voltage	230 V. 50 Hz. 30 W.
Fuse Required	5 amp max
Relay Switching	250VAC 5AMPS 1250VA.
Contact Isolation	1,500VAC
Thermal Protection	Cut-Out 80°C/ Reset 35 - 65°C
Index Of Protection	IP 30
Ambient Temperature	0°C to 50°C
Max Water Temp	25°C (50°C intermittent)
Max Discharge Head	See Graph
Discharge Tube Size	6 - 6.35 mm ID, 1.6 wall.



ELECTRICAL WIRING

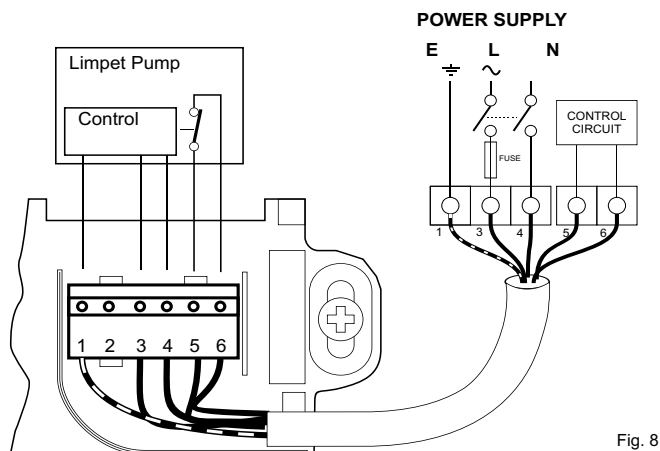
△ REFER TO SAFETY FIRST

Wiring Connections

The installation must comply with all National and Local Regulations for Electrical Safety.
This product must be connected via a 5 Amp fused isolator.
The Earth/ Ground wire must be connected.

Standard Cable Marking

Wire Colour	Connect:-	Symbol/Colour
1 GREEN/ YELLOW	EARTH	E ≡ GREEN
3 BROWN	LIVE	L / ~ RED
4 BLUE	NEUTRAL	N BLACK
5 Black	Control Circuit.	
6 Black	Control Circuit	



Alarm Relay

Red Light shows Alarm Condition. Volt Free, Break On Fault connection is rated 5 amps 1250VA. It may be necessary to use a contactor if the air handler supply is to be switched.

Cause for Alarm Condition:-

High water level. Thermal Cut-Out operated. Pump running for excessive periods of time uninterrupted. Power Failure (no light).

Can be wired to:-

Switch Air Handler Off. Switch remote alarm/ indicator. Signal B.M.S. Circuit.

Important!

READ THIS BOOKLET before installation of this product.

△ SAFETY FIRST

Disconnect ALL power supplies before starting installation or maintenance work.

The Limpet Pump is intended to be mounted adjacent to its host equipment as illustrated.

The interconnecting tubes and cables are to be confined within the Air Conditioning unit.

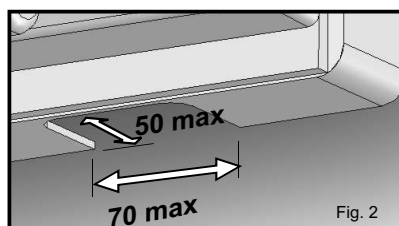
The Condensate Collection Tray is the only removable part and must be refitted before switching on electrical supplies.

The installation of this product is to be carried out by Competent Engineers.

Important

EDC recommends using the relay connections to shut down the air conditioning to limit damage should a fault condition occur.

Retain this booklet as it contains important information for the safe and proper use of this product.

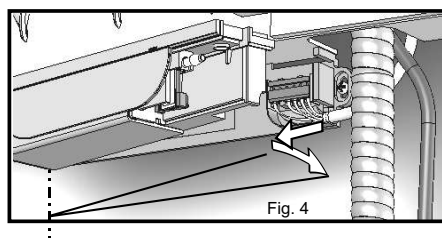
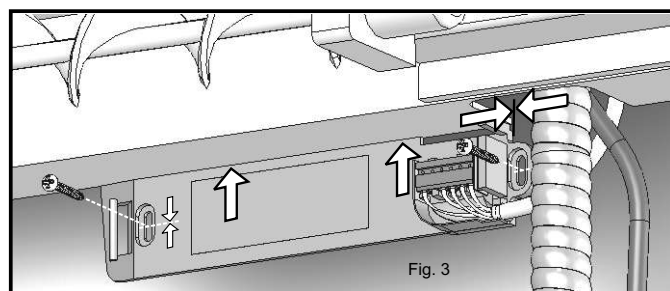


Create Opening and align Bracket as shown.

Fix to flat wall surface.

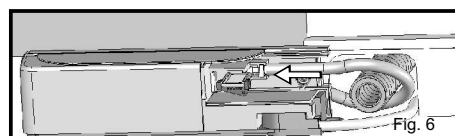
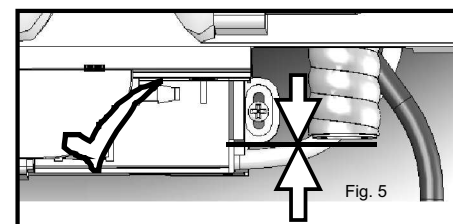
Make Electrical Connections.

See: **Electrical Wiring**

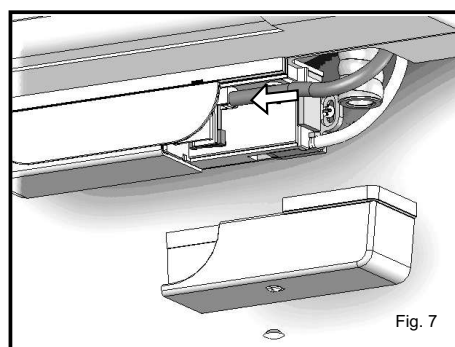


Clip Pump Module to Bracket.

IMPORTANT!
Cut Drainhose level with clip on Bracket.



Arrange Tubes and Cable to avoid interference with tank.



Fit collection tray and screw into position.

Fit Screw Cap.

See: **Servicing and Test**

Servicing and Test

1. **Disconnect ALL power supplies before starting installation, or maintenance work.**
2. Remove and retain screw head cap from underside of Pump.
3. While supporting the tray, loosen the captive screw (approx 5 turns) , lower the tray taking care not to spill any of its contents. Fig. 9
4. Remove and rinse the Filter Sponge. Rinse out the tray and shake dry. Refit sponge. Fig. 10-11
5. Clean the sensor pads gently with a soft wet brush. Fig12

If coil cleaning is to be undertaken this is the time to do it. SEE Coil Cleaning

6. Fill Condensate collection tray half full (2cm) with clean tap water.
7. Taking Care not to spill the contents, re fit the tray and secure with the screw.
8. Refit the screw head cover
9. Switch Power Supplies on. The red light should show and the pump will start immediately./ Once the water is removed the light will become green.

Coil Cleaning

Attention! Do not allow the pump to collect or operate with cleaning chemicals in the system.

1. Repeat if necessary 1- 5 above.
2. Collect chemical in a separate container. Fig. 13
3. Follow manufacturers Instructions. Once cleaned flush coil and system through with plenty of clean tap water.
4. Continue with operations 6 - 9 of the service routine.

Trouble Shooting.

No Operation:

Check Limpet Indicator Light

No Light:

Check Electrical Connections, Fuse and Power Supply.

Check Thermal Cut-Out has not operated. Allow to cool down to 40°C.

Red Light:

Check Discharge tube for leaks or blockages.

Check Evaporator Coil is not frosting up, causing excess quantities of defrost water to drain down.

Green Light:

Check Filter. Clean and refit.

Check water path is clear through drain hose.

Check Air Conditioner is Level.

Pump runs noisily or for long periods of time:

Check Discharge tube for leaks or blockages.

Check for signs of siphoning.

Check Filter. Clean and refit.

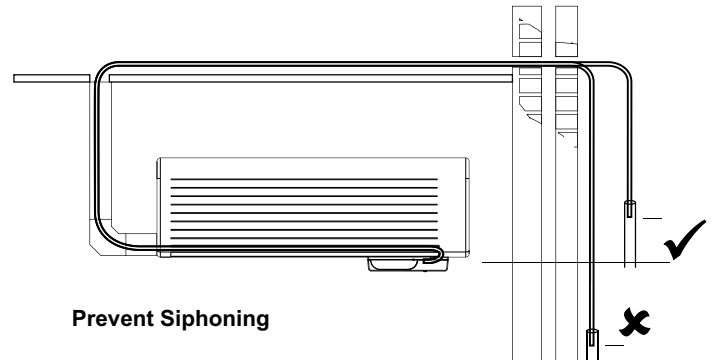
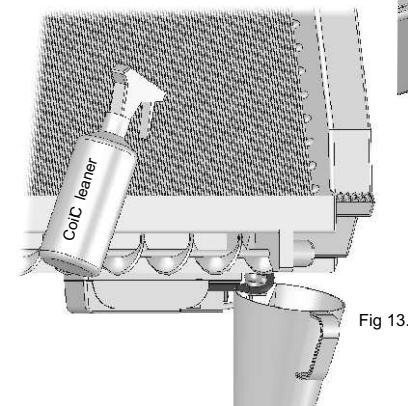
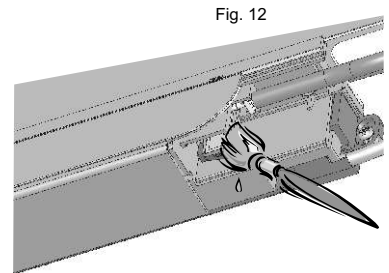
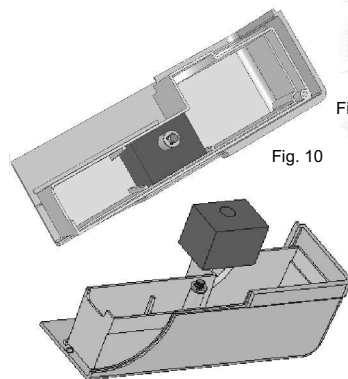
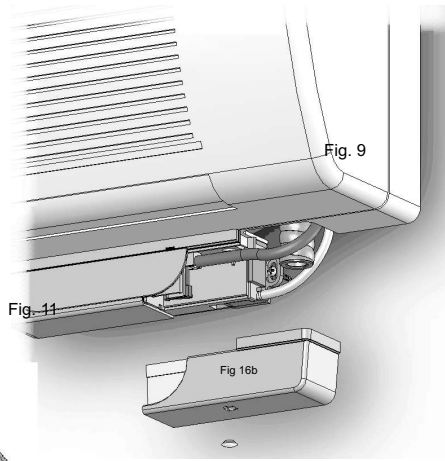
Check for slime in Collection Tray and on level sensor. Clean as required.

Leaking Water from Limpet Pump:

Check Evaporator Coil is **not** frosting up, causing excess quantities of defrost water to drain down.

Check level mounting

SEE: No Operation- Green Light.



Auxiliary Parts:-

ACC.0056.0	Anti- Siphon Valve.
ACC.0059.0	30m Clear PVC Tubing 6mm ID
ACC.0067.0	20mm Fused Terminal Block.
ACC.0068.0	6mm (1/4") Non-Return Valve (ideal for frequent service schedules).
ACC.0069.0	0.5 Litre Wash Bottle (for efficient test and commissioning).
LIM.0071.0	Replacement Filter Element for Collection Tray

EDC International Ltd



WARRANTY

This product is guaranteed for two years to be free from manufacturing defects or faulty materials. If it should fail for either of these reasons within two years from the date of manufacture it will be replaced or repaired free of charge, at the option of EDC International Limited.

EDC International Limited can accept no liability whatsoever for any loss or damage arising from the use of this product, however caused. Before using this product the user should satisfy himself that the product is suitable for use in the intended application, and for the manner in which it is intended that it be used.

This product is subject to continuous development and improvement and EDC International Limited reserves the right to alter the specifications or design without prior notice.