

## In Line Flow Switch:

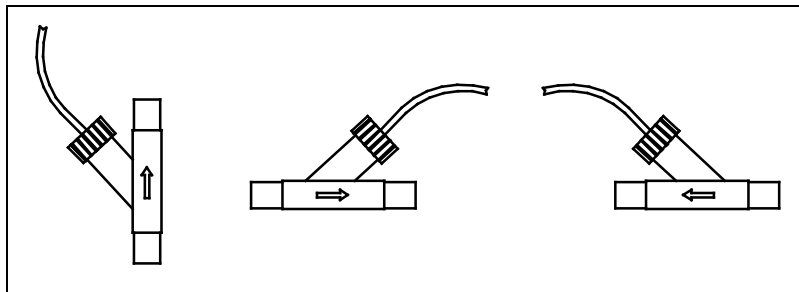
Part No. 70400459 (Microgeneration Only)

### Items Supplied:

ITEM	QUANTITY	DESCRIPTION
1	1	IN LINE FLOW SWITCH
2	2	22mm PUSH FIT CONNECTORS

### Isolate the Electric Supply to the Unit

When fitting the Flow Switch to an existing installation, drain down the system (or isolate the section of pipework).



### MOUNTING

The flow switch can be installed in either the vertical (Upflow only) or horizontal positions (See above). The flow switch is not IP rated so it **must be installed indoors**.

The flow switch should be installed in close proximity to the heat pump (due to electrical connections).

### PIPEWORK

1. Cut the pipe in the desired location and install the flow switch using the supplied connections.

## ELECTRICAL CONNECTIONS

2. A wiring connection will be required between the flow switch and the heat pump (2core).  
The connection is volt free.
3. The 2 wires should be suitably connected to the flying lead from the flow switch.  
NOTE: There is no polarity to these wires.
4. Remove the lid & access panel from the heat pump unit to gain access to the electrics.
5. Remove the factory installed link wire between the unlinked orange terminal (sides FS1 & FS2)
6. Feed the wires into the electrics box and connect as follows;
  - a. Connect one wire to the orange terminal marked (FS1)
  - b. Connect the other wire to the orange terminal marked (FS2)

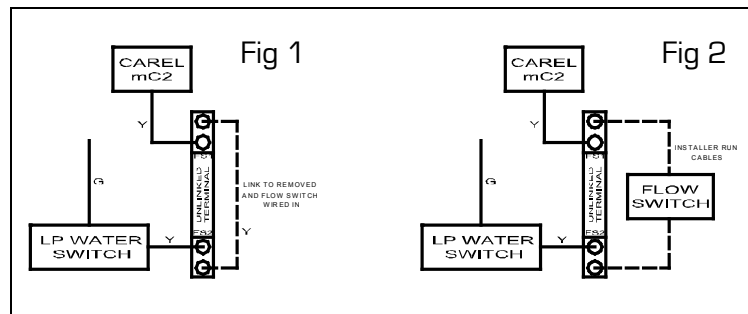


Fig 1 Depicts the wiring as the unit leaves the factory & Fig 2 Depicts the installed switch

7. Tidy wiring using cable ties provided, replace the lid, access panel and secure.

### # CAUTION

The use of plastic plumbing fittings may effect electrical earth continuity bonding as required by IEE regulations. If in doubt contact a qualified electrician

### OPERATION

If possible the switch operation should be tested. This can be done by either removing power to the pump or temporarily shutting off isolator valves. When the unit is powered up it may start but should alarm 'FL' with in 30secs. (This will prove the switch is working)

**NOTE:** 'FL' Alarm is also for low pressure in the water circuit; make sure this switch is satisfied (Unless link is being used)