

# Trouble Shooting the V2 & V2TC

<b>Problem</b>	<b>Possible Cause</b>	<b>Possible Solution</b>
No display	Power point is faulty	Repair power point. Test power point with another appliance
	Unit in Winter mode	Press the select button till Auto light comes on
	Controller has failed	Return to manufacturer for repair
Pump will not start	Fault with pump	Plug pump direct into power point and test
	Controller in Start Delay mode AUTO light flashing	Wait for controller to start at 8:00am - V2TC
	Controller in LIMIT wait mode - AUTO light flashing and LIMIT light on	Wait for controller to start latter or next day
	Time clock not set - V2TC	Press Up & Down buttons together: M light will be flashing, adjust minutes with Up & Down buttons then press SELECT. H light will be flashing, adjust 24 hour time then press SELECT to return to AUTO run..
	AUTO light on	Check ROOF temperature is 8°C above PO OL
	Pump not plugged into controller	Plug pump into base of controller marked PUMP
Unit displays 99	Roof sensor cable disconnected	Refit roof sensor cable to far right hand plug socket
	Damaged Roof sensor cable	Check cable for damage and repair/replace
	Unit damaged by lightning or power surge	Swap Roof & Pool sensors - If fault doesn't change to 77 return unit for repair. If 77 is displayed check/replace roof sensor.
Unit displays 89	Roof temp reading out of normal range	Replace Roof sensor
Unit displays 88	Roof sensor cable Short Circuit	Check cable for damage and repair/replace
	Roof Cable polarity wrong	Reverse cable connections at Roof sensor plug
	Short circuit in Roof sensor	Replace Roof sensor
Unit displays 77	Pool sensor cable disconnected	Refit pool sensor cable to the left of roof sensor plug - no gap between them
	Damaged Pool sensor cable	Check cable for damage and repair/replace
	Unit damaged by lightning or power surge	Swap Pool & Roof sensors - If fault doesn't change to 99 return unit for repair. If 99 is displayed check/replace pool sensor.
Unit displays 67	Pool sensor reading out of normal range	Replace Pool sensor
	Pump not primed	Prime pump by selecting MAN. and run till pipe is cooled
Unit displays 66	Pool sensor cable Short Circuit	Check cable for damage and repair/replace
	Pool Cable polarity wrong	Reverse cable connections at Pool sensor plug
	Short circuit in Pool sensor	Replace Pool sensor
Limit light ON - Pool cool	Pump not primed or limit set to low	Prime pump by selecting MAN. and run till pipe is cooled