

## **Fault Codes – RAV Series**

**Do Not** turn off the power supply before reading the fault codes, doing so may clear the diagnostic memory. Caution must be taken when removing the access covers, as high voltages are present.

Fault diagnosis is available by pressing the check button on the remote controller.

Note: The first number displayed is a code for the number of compressor starts the indoor unit has requested. This number is displayed using the hexadecimal format. Numbers displayed after the start number are fault codes.

Code	Fault	System Status	Check
<b>0C</b>	TA Sensor open circuit	No cooling operation (Heating operation continuously – heat pumps)	Sensor Resistance 20°C = 12.5kΩ, 25°C = 10kΩ
	TA Sensor short circuit	No heating operation – heat pumps (Cooling operation continuously)	Sensor Resistance 20°C = 12.5kΩ, 25°C = 10kΩ
<b>0d</b>	TC Sensor open circuit	Indoor fan stays off in the heating mode	Sensor Resistance 20°C = 12.5kΩ, 25°C = 10kΩ
	TC Sensor short circuit	Outdoor unit simulates high temperature release continually	Sensor Resistance 20°C = 12.5kΩ, 25°C = 10kΩ
<b>04</b>	No communication Outdoor to Indoor	Indoor unit operates – outdoor unit does not	Interconnecting cables / isolator Outdoor transformer (240/12vac) Printed Circuit Board
<b>08</b>	Reverse change temp.	Cooling o/p in Heat mode or Heating o/p in Cool mode	Operation of 4 way valve, energised for heating / TC sensor
<b>09</b>	No change in temp. of indoor unit	Indoor unit operates	Compressor running not pumping / klixon tripped. / For cross wiring.
	Frost Condition	Indoor fan low speed, no outdoor unit operation	Gas charge / pipe blockage. Indoor air flow TC Sensor / For cross wiring
<b>0b</b>	Indoor water level	Indoor unit operates – outdoor unit does not	Lift pump operation. Condensate drain for blockage. Float switch operation – break on rise.
<b>97</b>	LAN com. fault	One zone may not be operating	X&Y terminations and wiring continuity. Indoor PCB
<b>98</b>	Duplicated zone address	Dupl. Addresses Stop	SW02 address set up
<b>99</b>	No communication Indoor to Rem. Con.	System stop.	Interconnecting cables. Indoor is set up as a master. Only one master in a group.
<b>18</b>	TE Sensor open circuit	System stop.	Sensor Resistance 20°C = 12.5kΩ, 25°C = 10kΩ
	TE Sensor short circuit	System stop.	Sensor Resistance 20°C = 12.5kΩ, 25°C = 10kΩ
<b>19</b>	TL or TD Sensor open circuit	System stop.	Sensor Resistance TL 20°C = 12.5kΩ, 25°C = 10kΩ TD 23°C = 53kΩ
	TL or TD Sensor short circuit	System stop.	Sensor Resistance TL 20°C = 12.5kΩ, 25°C = 10kΩ TD 23°C = 53kΩ
<b>20</b>	Low Pressure Trip	System stop.	Change Outdoor PCB (No LP Switch)
<b>21</b>	High Pressure Trip	System stop.	Gas Charge – quantity & quality Pipe blockages Air flows
<b>1E</b>	High Compressor Discharge Temperature	System stop.	Gas Charge – quantity & quality TD sensor Indoor unit air flow
<b>b5</b>	External input display fault or Low level refrigerant leak if RD1 fitted	System stop.	Check connectons on indoor pcb and chech leak detection system if fitted
<b>b6</b>	External interlock display fault or high level refrigerant leak if RD1 fitted	System stop.	Check connectons on indoor pcb and chech leak detection system if fitted
<b>b7</b>	Slave unit in group has fault	Group stop.	Check group controller for faults