

## **Fault Codes – RAS Series**

**Do Not** turn off the power supply before reading the fault codes, doing so will 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 rear of the remote controller.

Note: Fault diagnosis for these systems is *only* possible when using infrared remote controller type WC-C2YE or WH-C2YE (which may be ordered under part number 43069666)

Code		Code	Fault	System Status	Check
<b>00</b>	Indoor P.C. Board Fault	<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	No cooling operation (Heating operation continuously – heat pumps)	Sensor Resistance 20°C = 12.5kΩ, 25°C = 10kΩ
			TC Sensor short circuit	No heating operation – heat pumps (Cooling operation continuously)	Sensor Resistance 20°C = 12.5kΩ, 25°C = 10kΩ
		<b>11</b>	Fan Motor	System Stop	Seized motor Thermal fuse open circuit
		<b>12</b>	PCB Fault	System Stop	Replace PCB
		<b>21</b>	IOL Operation	System Stop	
		<b>13</b>	TC Temp.	Operation Continues	Check TC Sensor
<b>01</b>	Inter. Cable	<b>04</b>	Inter. Cable	System Stop	Cable / CT termination and thermal fuse
		<b>05</b>	Inter Cable.	Operation Continues	No Communication to the outdoor unit.
<b>02</b>	Outdoor PCB	<b>18</b>	TE Sensor Open / Closed circuit	System Stop	Check outdoor TE sensor
		<b>19</b>	TD Sensor Open / Closed circuit	System Stop	Check outdoor TD sensor
<b>03</b>	Other Parts	<b>07</b>	Instantaneous power failure Compressor thermo	Operation Continues	Check Compressor thermo. Check Ref. charge Indoor PCB
		<b>1E</b>	TD > 120°C	System Stop	Check TD Sensor Check Ref. Charge
		<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 Cross wiring
		<b>1d</b>	Compressor	System Stop	Compressor windings. Current consumption.