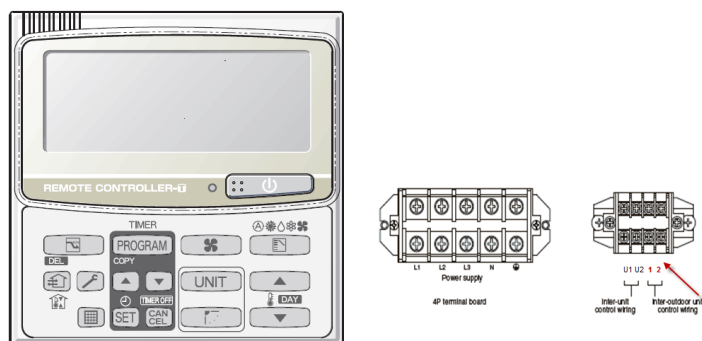


Technical Bulletin

Number	095
Subject	Panasonic Fault Code History via CZ-RTC2
Date	26 November 2013


The Panasonic **CZ-RTC2** controller can be used to interrogate the system. This can be done on a controller installed local to the Indoor or Outdoor Unit.

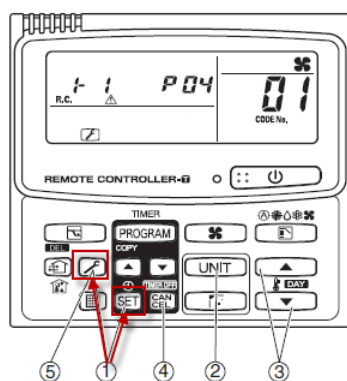


For more detailed information, the CZ-RTC2 should be wired directly into the condensing unit. In this case it is advised that monitoring of the condensing unit error history be done at the actual outdoor unit on **Terminals 1&2** (not U1&U2).

Fault History

Note that to clear Outdoor Unit history the CZ-RTC2 needs to be connected to the Outdoor Unit. This will not clear the Indoor Unit fault code history.

Press **SPANNER** and **SET** together for four or more seconds. The **SPANNER** () symbol will illuminate on the controller.



The last fault code will be displayed. In the case above this is P04. Press the temperature up and down keys (No. 3 on drawing) to scroll through the fault code history.

If more than one condensing unit is connected to the system you can scroll through these by pressing the **UNIT** button (No. 2 on drawing)

To clear the Alarm history press **CANCEL** (No. 4 on drawing)

To leave Error History mode press the SPANNER button (No. 5 on drawing)

Technical Bulletin

Alarm code	Alarm meaning	Page
E06	Outdoor unit failed to receive serial communication signals from indoor unit.	3-7
E12	Automatic address setting start is prohibited.	3-7
E15	Automatic address setting alarm (too few units)	3-7
E16	Automatic address setting alarm (too many units)	3-8
E20	No indoor units at automatic address setting.	3-8
E24	Outdoor unit (INV) failed to receive communications from another outdoor unit (constant-speed).	3-8
E25	Outdoor unit address setting failure (duplication)	3-9
E26	Mismatch in outdoor unit quantity	3-9
E29	Outdoor unit failed to receive communication from outdoor unit (main)	3-9
E31	Communication error between the microcomputers	3-9

F04	Compressor 1 discharge temperature sensor trouble	3-10
F05	Compressor 2 discharge temperature sensor trouble	3-10
F22	Compressor 3 discharge temperature sensor trouble	3-10
F06	Gas temperature sensor trouble at outdoor heat exchanger 1 (In)	3-11
F07	Liquid temperature sensor trouble at outdoor heat exchanger 1 (Out)	3-11
F08	Outdoor air temperature sensor trouble	3-12
F12	Compressor intake temperature sensor trouble	3-12
F16	High-pressure sensor trouble	3-13
F17	Low-pressure sensor trouble	3-14
F23	Gas temperature sensor trouble at outdoor heat exchanger 2 (In)	3-11
F24	Liquid temperature sensor trouble at outdoor heat exchanger 2 (Out)	3-11
F31	Outdoor unit non-volatile memory (EEPROM) trouble	3-14

H11	Constant speed compressor 2 overcurrent alarm	3-15
H12	Constant speed compressor 2 lock current alarm	3-15
H03	Compressor 1 CT sensor disconnected or short-circuit	3-16
H05	Compressor 1 discharge temperature sensor disconnected	3-16
H06	Low-pressure switch activated	3-17
H08	Compressor 1 oil detection sensor (connection) trouble	3-18
H13	Compressor 2 CT sensor disconnected or short-circuit	3-16
H15	Compressor 2 discharge temperature sensor disconnected	3-16
H21	Compressor 3 overcurrent alarm	3-15
H22	Compressor 3 lock current alarm	3-15
H23	Compressor 3 CT sensor disconnected or short-circuit	3-16
H25	Compressor 3 discharge temperature sensor disconnected	3-16
H27	Compressor 2 oil detection sensor (connection) trouble	3-18
H28	Compressor 3 oil detection sensor (connection) trouble	3-18
H31	HIC trouble alarm	3-19

L04	Outdoor system address duplication	3-19
L10	Outdoor unit capacity not set	3-20
L17	Outdoor unit model mismatch	3-20
L18	4-way valve operation failure	3-20

P02	Compressor thermal protector is activated.(trip only and no alarm)	3-20
P03	Compressor 1 discharge temperature trouble	3-21
P04	High-pressure switch activated	3-22
P05	Reverse phase (or missing phase) detected	3-22
P14	O2 sensor differential alarm (Only when optional O2 sensor supplied)	3-23
P16	Compressor 1 (INV) overcurrent alarm	3-23
P17	Compressor 2 discharge temperature trouble	3-21
P18	Compressor 3 discharge temperature trouble	3-21
P20	High load alarm	3-24
P22	Fan motor trouble	3-24
P29	Inverter compressor missing phase or lock alarm	3-25

Blinking Inspection Display on the remote controller	CHECK blinking (1)	3-26
	CHECK blinking (2)	3-27