

UC8 Display Messages for version 4.0.6E

Display messages (normal operation)

Display message	Description
UC8 X.X.X	Controller name and software version
dELAY	Controller start-up delay
●	Unit is ready (compressor may be on or off)
-	Unit is off by Remote On/Off signal
c	Commissioning mode
t	Test mode
HOLd	Compressor is held-off or held-on by a timer
dE-ICE	De-icing the outdoor coil
dIFF-P	Compressor is held-off until pressures have equalised

Information messages

Display code	Description	
SLP	Compressor suction line pressure	kPa
Et	Evaporating temperature	°C
SLt	Compressor suction line temperature	°C
SSH	Suction (evaporating) side superheat	K
dLP	Compressor discharge line pressure	kPa
Ct	Condensing temperature	°C
dLt	Compressor discharge line temperature	°C
dSH	Discharge (condensing) side superheat	K
ICEt	Outdoor coil de-ice sensor temperature	°C
CAP	Compressor capacity	%
EE1	Expansion valve 1 opening	%
EE2	Expansion valve 2 opening	%
Add	Controller Modbus communications address	

Controller configuration modes

Display code	Description
H	Indoor fan high speed selection
L	Indoor fan low speed selection
A	Modbus communications address selection
E	Compressor model selection (refer to the table with compressor models)
d	Force an outdoor coil de-ice cycle (available only when a unit is heating)
Y	Supply-air temperature control mode selection
J	Air-to-air units: Outdoor fan chamber selection Hydronic units: Water flow valve opening time selection
b	Communication baud rate selection
P	Communication parity- and stop-bit selection
o	Thermostat automatic on/off selection (SAT-3 and TZT-100 only)
n	Expansion valve mode selection (split air-to-air units only)
≡	Outdoor fan high speed selection
bC0	Batch water heater, temperature for unit switch-off, cooling mode
bC1	Batch water heater, temperature for unit switch-on, cooling mode
bH0	Batch water heater, temperature for unit switch-off, heating mode
bH1	Batch water heater, temperature for unit switch-on, heating mode

Compressor models

Display code	Description
dF	Digital-scroll compressor or Fixed-capacity compressor
3-38S	Emerson-Copeland ZPV038SE - 4X9
3-38L	Emerson-Copeland ZPV038LE - 4X9
3-550	Toshiba DA550 A3 F11 MD1
3-066	Siam ANB66
3-078	Siam ANB78
3-087	Siam ANB87
3-656	Hitachi E656DHD
3-096	Emerson-Copeland ZPV096SE - 4X9
010	0-10V controlled inverter compressor
1-030	Emerson-Copeland ZPV030LE - 3X9
1-038	Emerson-Copeland ZPV038SE / LE - 3X9
1-132	Panasonic 5RD132 F221 – 230V
1-240	Panasonic 5KD240 XCA21 – 230V

Fault codes

Display code	Description
HP	High pressure fault.
LP	Low pressure fault.
OL	Overload fault.
FROSt	Indoor coil frost protection.
Lo-t	Water freeze protection.
HI-t	Compressor high discharge temperature protection.
HI-SL	Compressor high suction line temperature protection.
Flood	Sump pump fault
nO-Flo	Circulating pump fault or water flow verification switch fault.
Lo-dSH	Low discharge superheat fault.
HI-dSH	High discharge superheat protection. Possible lack of refrigerant.
CRL	Low compression ratio fault. Possible incorrect compressor model selection.
CRH	High compression ratio fault. Possible fan fault or overcharged system.
F10	Reserved.
F11	Reserved.
F12	Low pressure sensor missing, disconnected or faulty, or all gas is lost.
F13	High pressure sensor missing, disconnected, faulty, or all gas is lost.
F14	Compressor suction line temperature sensor disconnected or faulty.
F15	Compressor discharge line temperature sensor disconnected or faulty.
F16	Outdoor coil de-ice temperature sensor disconnected or faulty.
F17	Outdoor coil temperature sensor disconnected or faulty.
F18	Indoor coil temperature sensor disconnected or faulty.
F19	Outdoor ambient temperature sensor disconnected or faulty.
F20	Superheat cannot be determined.
F21	Loss of communications with the thermostat.
F22	Loss of communications with the UC8 master board.
F23	Loss of communications with first slave system.
F24	Loss of communications with second slave system.
F25	Loss of communications with third slave system.

Continued on the next page.

Display code	Description
F26	Invalid DIP switches setting.
F27	Invalid indoor/outdoor fan selection.
F28	Reserved.
F29	High controller board temperature.
F30	Controller supply voltage fault.
F31	A slave system reports a fault.
F32	Controller internal problem.
F33	Reserved.
F34	Pressures do not equalise when the compressor is off.
F35	Reverse cycle valve fault, or possibly an incorrectly fitted temperature sensor.
F36	Invalid thermostat configuration.
F37	Loss of communications with the indoor unit.
F38	The indoor unit reports a fault.
F39	The compressor inverter drive reports a fault.
F40	Reserved.
F41	Reserved.
F42	High evaporating temperature fault.
F43	Low condensing temperature fault.
F44	Invalid EEV mode selected.
F45	Reserved.
F46	Lost communication with 6-temperature board.
Lockout	Unit is locked out.