

Common Error Messages for Spas By Pack Manufacturer

ACC (Applied Computer Controls)

CoLd = Temperature in the spa heater housing is below 40° F. Status of the heater element is unknown. The low speed pump or circ pump will operate continuously until the temperature rises above 45° F.

OH = Over heat. The spa is at a temperature above 108° . Do not use spa when temperature is flashing or the OH message is displayed.

HLoH = Hi Limit Over Heat. Hi limit sensor is disconnected or shorted or the spa temperature is above 112° F.

SEoP = Sensor open or disconnected. Heater disabled but the spa is operational.

SESH = Sensor short, nonfunctional. Heater disabled but the spa is operational.

PSoC = Pressure switch open with circulating pump.

PSoL = Pressure switch open with low pump.

PSoH = Pressure switch open with high pump.

ToE = Time out error. Rare system error. Spa unusable. Contact ACC.

Balboa (used by Belize Spas and many other hot tubs)

pd = Power supply, unit running on battery backup

OH = Sensors reading 112-118° F.

OHH = Overheat. Spa has shut down. One sensor has detected 118° Fat heater.

OHS = Overheat. Spa has shut down. One sensor has detected 110°F.

Flo = Improper flow or pressure switch malfunction

Cool = Water temp 20° below set point

ICE = Potential freeze condition has been detected

Sn1 = Hi-limit sensor malfunction

Sn3 = Temp sensor malfunction

SnA = Spa is shut down. Sensor plugged into jack A is not working.

Snb = Spa is shut down. Sensor plugged into jack B is not working.

SnS = Sensors out of balance. If alternating with temp, may be temporary condition. If display shows only this message (blinking) spa is shut down.

HFL = Substantial difference between temperature sensors detected. Could indicate a flow problem.

LF = Persistent low flow problems. (Displays on the 5th occurrence of "HFL" message with 24 hours). Heater is shut down, but other spa functions run normally.

dr = Inadequate water detected in heater.

dry = Inadequate water detected in heater. (Displays on third occurrence of "dr" message). Spa is shut down.

Pr = When spa is first actuated, it will go into Priming Mode.

ILOC = Interlock failure - possible pump or ozone spike .

(---) = Unknown water temperature. (Displays when first powered up after refill).

Std = Spa operating in Standard Mode.

Ecn = Spa operating in Economy Mode.

SE = Spa operating in Standard-in-Economy Mode.

Brett Aqualine

OH = Temp exceeds 118° F

Fr = Freeze condition - temp below 40° F

FL = Pressure switch failure

EO = Shorted temp sensor

E1 = Open temp sensor

E2 = Shorted hi-limit sensor

E3 = Open hi-limit sensor

E4 = Shorted flow switch

E7 = Improper electrical connection

CTI

th1/39 = On startup indicates temperature probe problem.

th2/current temperature = On startup indicates temperature probe problem.

th3/39 = On startup indicates water temperature less than 39° F.

OH = Overheating, water over 112° F. System will restart when temp. drops.

hot = Overheating, water over 112° F. System will restart when temp. drops.

HL = High limit switch tripped.

Dream Maker Hot Tubs

OH = Overheat 108° F, spa is deactivated. Do not enter the water.

FL = Flow. Pressure switch is not working.

SN = Non functional high temperature sensor. Heater is deactivated.

F2 = 4 hours daily filtration

F4 = 8 hours daily filtration

F6 = 12 hours daily filtration

FC = continuous filtration

EasyPak

C = Celsius
CL = Current Time of Day
ECdu = Economy Mode Duration
Econ = Economy Mode Turn On
F = Fahrenheit
Fldu = Filter Cycle Duration
Flon = Filter Cycle Turn On
FLC = Pressure Switch Alarm
FLO = Pressure Switch Alarm
FrEE = Freeze Protection Alarm
HL = High Temperature Alarm
Loc = Panel / Keypad Locked
PrH = Temperature Sensors Alarm
Prr = Temperature Sensors Alarm
Tu = Temperature Set Celsius
Tu = Temperature Set Fahrenheit

Gecko

FLO = Pressure switch failure, switch open
FLC = Pressure switch failure, switch closed
Prr = Temp sensor failure
Prh = Hi-limit sensor failure
HL = Sensor measuring 119° F
FrE = Possible freeze condition detected

Hercules

OH = Spa temp exceeds acceptable limits
FLO = Flow problem
ICE = Freeze condition detected
SN1 = Hi-limit sensor failure
SN2 = Temp sensor failure

Hurricane

PS = Flow or pressure switch failure
SH = Shorted sensor
OP = Open Sensor
LO = Temp below 60° F - freeze
HL = Temp above 118° F

Hydro-Quip

C = Celsius
CL = Current Time of Day
ECdu = Economy Mode Duration
Econ = Economy Mode Turn On
F = Fahrenheit
Fldu = Filter Cycle Duration
Flon = Filter Cycle Turn On
FLC = Pressure Switch Alarm
FLO = Pressure Switch Alarm
FrEE = Freeze Protection Alarm
HL = High Temperature Alarm
Loc = Panel / Keypad Locked
PrH = Temperature Sensors Alarm
Prr = Temperature Sensors Alarm
Tu = Temperature Set Celsius
Tu = Temperature Set Fahrenheit

Jacuzzi Whirlpool

OH = Overheat Protection (Heater is deactivated, pumps low speed is activated).
COOL = Spa water is more than 20° F cooler than the temperature set point.
FLO* = Flow Switch (heater is deactivated. Pump may also be deactivated).
Hold = Panel sensors have been pressed too many times in a short period of time.
HOT = Circuit Board temperature has exceeded acceptable limit.
ICE = Freeze protection. No action is necessary.
ICE2 = Freeze protection. No action is necessary.
PnL = Communication between the panel and circuit board is faulty.
---- = "Watchdog" (spa is deactivated) A problem has been detected.

Sn1 = Open sensor (heater is deactivated) or Shorted sensor (spa is deactivated).

Sn3 = Open or shorted sensor (heater disabled).

FLO2 = Closed or shorted flow switch on system startup

Pinnacle

OH = Temperature has exceeded 110° F

SN = Sensor failure

FL = Flow/pressure switch stuck in closed position

Spa Builders

Sn1 = Nonfunctional high temperature sensor. Heater is deactivated.

Sn2 = Nonfunctional temperature sensor. Heater is deactivated.

FL1 = Water flow problem, inhibited or pressure switch malfunction. Check for proper spa water level and ensure pump is primed. Check for clogged filter.

FL2 = Pressure switch problem. Switch closed while pump is deactivated.

COL = Cool condition. If water temperature drops 20°F below set temperature, low speed pump and heater activates to bring temperature within 15° of set temperature.

ICE = Freeze condition. 55°F detected. Low speed pump and heater will activate until spa reaches 65°F.

OH = High temperature condition, has reached 110°F. Do not enter the spa. Low speed pump (and air blower if so equipped) will activate to assist in lowering temperature.

--- = "Watchdog". Water temperature has reached 118°F. Entire system is disabled.

Contact qualified service technician.

Sundance Spas

ILOC = Interlock failure - possible pump or ozone spike

FLO = Pressure switch malfunction or Flow switch malfunction (system specific)

Hold = Panel buttons pressed to many times to quickly

HOT = PCB temperature above acceptable limit - air blower on

ICE = Potential freeze condition

Pnl = Communication between PCB and panel interrupted

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Sn1 = Hi-limit sensor failure

Sn3 = Temp sensor failure

---- = "Watchdog" (spa is deactivated) A problem has been detected

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Vita Spas

HiLi = Water temp over acceptable limit

BJ2P = Pump/Blower purge - normal condition

FP = Freeze protect-temp under acceptable condition

SS=0; SS=S; LS=O; LS=S = Multiple causes; open sensors, bad connection to panel, improper voltage, etc.

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