

Sanyo Air Conditioning Fault Codes Complete List

ADDRESSING & COMMUNICATION PROBLEMS

Code	Description
E01	Remote control detecting error from indoor unit,Address not set/Auto address failed. Check interconnecting wiring etc. Re-address system.
E02	Remote detecting error from indoor unit,
E03	Indoor unit detecting error from remote,
E04	Indoor seeing error from outdoor. Qty of i/d units connected are less than qty set. Check; all i/d units are ON, reset turn off all units wait 5min power up
E05	Indoor unit detecting error from outdoor unit, Error in sending comms signal
E06	Outdoor unit detecting error from indoor unit, Error in receiving comms signal
E07	Outdoor unit detecting error from indoor unit, Error in sending comms signal
E08	Incorrect setting indoor/controller, Indoor address duplicated
E09	Incorrect setting indoor/controller, Remote address duplicated or IR wireless controller not disabled
E10	Indoor unit detecting error from 'option' plug, Error in sending comms signal
E11	Indoor unit detecting error from 'option' plug, Error in receiving comms signal
E12	Auto addressing failed,Auto address connector CN100 shorted during auto addressing
E13	Indoor unit failed to send signal to remote controller
E14	Setting Failure, Duplication of master indoor units
E15	Auto addressing failed, Number of indoor units connected are less than number set
E16	Auto addressing failed, Number of indoor units connected are more than number set
E17	Group control wiring error, Main indoor unit not sending signal for sub indoor units
E18	Group control wiring error, Main indoor unit not receiving signal for sub indoor units
E20	Auto addressing failed, No indoor units connected
E24	Auto addressing failed, Error on sub outdoor unit
E25	Auto addressing failed, Error on outdoor unit address setting

- E26 Auto addressing failed, Quantity of main and sub outdoor units do not correspond to the number set on main outdoor unit P.C.B.
- E29 Auto addressing failed, Sub outdoor unit not receiving comms for main outdoor unit
- E31 Between units, Comms failure with MDC, does E31 remain after power is re instated? If so replace PCB. & power
PCB

Senior Faults

Code	Description
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| F01 | Indoor Heat Exch inlet temp sensor failure (E1) |
| F02 | Indoor Heat Exch freeze temp sensor failure (E2) |
| F03 | Indoor Heat Exch outlet temp sensor failure (E3) |
| F04 | Outdoor Discharge temp sensor failure (TD) or (DISCH1) |
| F05 | Outdoor Discharge temp sensor failure (DISCH2) |
| F06 | Outdoor Heat Exch temp sensor failure (C1) or (EXG1) |
| F07 | Outdoor Heat Exch temp sensor failure (C2) or (EXL1) |
| F08 | Outdoor Air temp sensor failure (TO) |
| F10 | Indoor inlet temp sensor failure |
| F11 | Indoor outlet temp sensor failure |
| F12 | Outdoor Intake sensor failure (TS) |
| F13 | GHP - Cooling water temperature sensor failure |
| F16 | Outdoor High pressure sensor failure |
| F17 | GHP - Cooling water temperature sensor fault |
| F18 | GHP - Exhaust gas temperature sensor fault |
| F20 | GHP Clutch coil temperature fault |
| F23 | Outdoor Heat Exch temp sensor failure (EXG2) |
| F24 | Outdoor Heat Exch temp sensor failure (EXL2) |
| F29 | Indoor EEPROM error |
| F30 | Clock Function (RTC) fault |

F31 Outdoor EEPROM error

Compressor Faults

Code Description

H01	Compressor Fault, Over current (Comp1)
H02	Compressor Fault, Locked rota current detected (Comp1)
H03	Compressor Fault, No current detected (Comp1)
H05	Compressor Fault, Discharge temp not detected (Comp1)
H06	Compressor Fault, Low Pressure trip
H07	Compressor Fault, Low oil level
H08	Compressor Fault, Oil sensor Fault (Comp1)
H11	Compressor Fault, Over current (Comp2)
H12	Compressor Fault, Locked rota current detected (Comp2)
H13	Compressor Fault, No current detected (Comp2)
H15	Compressor Fault, Discharge temp not detected (Comp2)
H27	Compressor Fault, Oil sensor fault (Comp2)
H28	Compressor Fault. Oil sensor (connection failure)
H31	Compressor Fault. IPM trip (IMP current on temperature)

Incorrect Settings

Code Description

L01	Setting Error, Indoor unit group setting error
L02	Setting Error, Indoor/outdoor unit type/model miss-matched
L03	Duplication of main indoor unit address in group control
L04	Duplication of outdoor unit system address
L05	2 or more controllers have been set as 'priority' in one system - shown on controllers set as 'priority'
L06	2 or more controllers have been set as 'priority' in one system - shown on controllers not set as 'priority'
L07	Group wiring connected on and individual indoor unit

L08	Indoor unit address/group not set
L09	Indoor unit capacity code not set
L10	Outdoor unit capacity code not set
L11	Group control wiring incorrect
L13	Indoor unit type setting error, capacity
L15	Indoor unit pairing fault
L16	Water heat exch unit setting failure
L17	Miss-match of outdoor unit with different refrigerant
L18	4-way valve failure
L19	Water heat exch unit duplicated address
L21	Gas type setup failure

Indoor Faults

Code Description

P01	Indoor unit fault, Fan motor thermal overload
P02	Outdoor unit fault, Compressor motor thermal overload, over or under voltage
P03	Outdoor unit fault, Compressor discharge temperature too high (Comp1) over 111 degC. Low on ref gas, expansion valve, pipework damage.
P04	Outdoor unit fault, High pressure trip
P05	Outdoor unit fault, Open phase on power supply. Check power on each phase, inverter pcb, control pcb
P09	Indoor unit fault, Ceiling panel incorrectly wired
P10	Indoor unit fault, Condensate float switch opened
P11	GHP - Water Heat exch low temp (frost protection) fault
P12	Indoor unit fault, Fan DC motor fault
P14	Input from leak detector (If fitted)
P15	Refrigerant loss, high discharge temp and EEV wide open and low compressor current draw.
P16	Outdoor unit fault, Open phase on compressor power supply

- P17 Outdoor unit fault, Compressor discharge temperature too high (Comp2) over 111 degC. Low on ref gas, exp valve, pipework damage.
- P18 Outdoor unit fault, By-pass valve failure
- P19 Outdoor unit fault, 4 way valve failure, i/door temp rises in cooling or falls in heating. Check wiring, coil, pcb output, valve operation.
- P20 Ref gas, high temp/pressure fault, heat exch temp high C2, 55-60 degC, cooling over-load, sensor fault.
- P22 Outdoor unit fan motor fault, fan blade jammed, check connections, does fan turn freely, motor resistance 30-40ohm on each pair, no fan fault, yes pcb fault.
- P26 Outdoor unit fault, Compressor overcurrent - check winding resistance, Inverter failure - check internal resistance
term HIC + & - to UVW 200-300Kohm or more
- P29 Outdoor unit fault, Inverter circuit fault - Motor-current Detection Circuit (MDC) fault, check comp windings, sensors C1 & TS, if ok possible pcb failure.
- P30 Indoor unit fault, System controller detected fault on sub indoor unit
- P31 Simultaneous operation multi control fault, Group controller fault

GHP Fault Code Description

- A01 GHP - Engine oil pressure fault
- A02 GHP - Engine oil level fault
- A03 GHP - Engine over speed
- A04 GHP - Engine under speed
- A05 GHP - Ignition power supply failure
- A06 GHP - Engine start up failure
- A07 GHP - Fuel gas valve failure
- A08 GHP - Engine stalled
- A09 GHP - Engine overload
- A10 GHP - High exhaust gas temp
- A11 GHP - Engine oil level failure
- A12 GHP - Throttle actuator fault
- A13 GHP - Fuel gas valve adjustment failure
- A14 GHP - Engine oil pressure sensor fault
- A15 GHP - Starter power output short circuit
- A16 GHP - Starter motor locked

A17 GHP - Starter current (CT) coil failed
A19 GHP - Wax Valve (3 Way) fault
A20 GHP - Cooling water temp high
A21 GHP - Cooling water level fault
A22 GHP - Cooling water pump fault
A23 GHP - Engine crank angle sensor failure
A24 GHP - Engine cam angle sensor failure
A25 GHP - Clutch fault
A26 GHP - Misfire
A27 GHP - Catalyst temperature fault
A28 GHP - Generator fault
A29 GHP - Converter fault
A30 GHP - Fuel gas pressure low