

Troubleshooting & Error Fault Codes

ESP[®] Unit Error Fault Codes

| Outdoor CPU | Wall Controller | Fault/Function |
|-------------|-----------------------------|--|
| 0 | - | Cooling Mode |
| 1 | - | Heating Mode |
| 2 | - | Heating compressor run time >20mins |
| 3 | - | Heating Defrost |
| 4 | LOW speed flashes every 30s | Over Heat or Anti-Freeze Protection mode (Reduced Capacity Mode) |
| 5 | - | Heating mode – indoor coil pre-heat |
| 6 | E6 | Fault discharge temperature |
| 7 | E7 | Fault outdoor coil sensor (open or closed circuit) |
| 8 | E8 | Fault outdoor discharge sensor (open or closed circuit) |
| 9 | E9 | High or Low Pressure/Phase error (3 phase models only)* |
| - | E2 | Fault indoor coil out sensor |
| - | E3 | Fault room sensor(s) (open or closed circuit) |
| - | E4 | Fault indoor coil sensor (open or closed circuit) |
| - | E5 | Communication Fault |

*E9 can also indicate a phase error (incorrect phase rotation or phase loss).

M Series (AM24 and AM7) Controller Error Fault Codes

| OUTDOOR CPU | AM24 Wall Control | AM7 Wall Control | Fault/Function |
|-------------|-------------------|------------------|--|
| 0 | - | - | Cooling Mode |
| 1 | - | - | Heating Mode |
| 2 | - | - | Heating Mode after 20 minutes of compressor run time. Defrost Standby. |
| 3 | - | - | Heating Mode De-ice cycle |
| 5 | - | - | Heating Mode Indoor coil pre-heat after defrost |
| 7 | E7 | E7 | Fault: Outdoor coil sensor (open circuit) |
| 8 | E7 | E7 | Fault: Outdoor coil sensor (closed circuit) |
| 9 | E9 | E9 | Fault: High or Low pressure tripped (Note: Some models have discharge sensor, which will also give the same fault code.) |
| - | E5 | E5 | Communication error between outdoor and indoor. |

C Series (C7-1) Controller Error Fault Codes

| OUTDOOR CPU | C7 Wall Control | Fault/Function |
|-------------|-----------------|--|
| 0 | - | Cooling Mode |
| 1 | - | Heating Mode |
| 2 | - | Heating Mode after 20 minutes of compressor run time. Defrost Standby. |
| 3 | - | Heating Mode De-ice cycle |
| 5 | - | Heating Mode Indoor coil pre-heat after defrost |
| 7 | E7 | Fault: Outdoor coil sensor open circuit |
| 8 | E7 | Fault: Outdoor coil sensor short circuit |
| 9 | E9 | Fault: High or Low pressure tripped (Note: Some models have discharge sensor, which will also give the same fault code.) |
| - | E5 | Communication error between outdoor and indoor. |

D Series 24 Hour (AECSN) and 7 Day (AEC7N) Controller Error Fault Codes

| OUTDOOR CPU | 24 Hour (AECSN) Wall Control | 7 Day (AEC7N) Wall Control | Fault/Function |
|-------------|------------------------------|----------------------------|--|
| 0 | - | - | Cooling Mode |
| 1 | - | - | Heating Mode |
| 2 | - | - | Heating Mode after 20 minutes of compressor run time. Defrost Standby. |
| 3 | - | - | Heating Mode De-ice cycle |
| 5 | - | - | Heating Mode Indoor coil pre-heat after defrost |
| 7 | 7 | E1 | Fault: Outdoor coil sensor open circuit |
| 8 | 7 | E1 | Fault: Outdoor coil sensor closed circuit |
| 9 | 9 (heat/cool flash) | E2 | Fault: High or Low pressure tripped (Note: Some models have discharge sensor, which will also give the same fault code.) |
| - | - | E5 | Communication error between outdoor and indoor. |

Notes:

- Faults may not be displayed on the wall control until the fault occurs several times.
- Phase error will be indicated by a red light on the 3-phase relay.
- Phase correction must be applied to the incoming supply side.