

7.1. Fault codes

Display	Meaning	Possible causes
LP	Low pressure protection is active	Low refrigerant charge (gas leak) Pressure transducer fault EEV malfunction or disconnected Indoor fan or controller malfunction
HP	High pressure protection is active	No water flow (cooling mode) Pressure transducer fault EEV malfunction or disconnected Indoor fan or controller malfunction
OL	Overload protection (input IN#2 is open circuit)	Check overload switches (if used)
HI-t	High temperature protection is active	Insufficient airflow (e.g. a blocked air filter) Indoor fan malfunction
HI-SL	High suction line temperature protection is active	Water temperature too high (heating mode)
Lo-dSH	Low discharge superheat protection active	EEV malfunction or disconnected Incorrect EEV operating mode selected
Hi-dSH	High discharge superheat protection active	Low refrigerant charge (gas leak) EEV malfunction or disconnected
CRL	Low compression ratio protection	Water temperature too low or too high
CRH	High compression ratio protection	Pressure transducer fault EEV malfunction or disconnected Indoor fan or controller malfunction

Display	Meaning	Possible causes
F12	Low pressure transducer fault	Transducer cable disconnected Faulty transducer Loss of refrigerant (gas leak)
F13	High pressure transducer fault	Transducer cable disconnected Faulty transducer Loss of refrigerant (gas leak)
F14	Suction line temperature sensor fault	Sensor cable disconnected
F15	Discharge line temperature sensor fault	Sensor cable disconnected
F18	Indoor coil temperature sensor fault	Sensor cable disconnected
F19	Heating element temperature sensor fault	Sensor cable disconnected
F20	Superheat is unknown	Missing sensor
F21	Thermostat fault	Loss of serial communications
F22	BMS fault	Loss of serial communications
F27	Invalid DIP switches setting	
F29	Microcontroller too hot	Inadequate electrical box ventilation
F30	Supply voltage out of bounds	Electrical short circuit / overload
F33	High discharge superheat protection	Loss of refrigerant (gas leak) Faulty transducer EEV malfunctioning or disconnected
F34	Pressures not equalising	Pressure transducer connections swapped Incorrect pressure transducer fitted EEV malfunctioning or disconnected
F35	Reverse cycle valve fault	Reverse cycle valve disconnected
F36	Invalid DIP switch setting on TZT-100 thermostat	Set TZT-100 DIP switch 2 ON and TZT-100 DIP switch 4 OFF
F42	Evaporating temperature too high	Supply water temperature too high (heating mode) EEV malfunctioning or disconnected
F43	Condensing temperature too low	Supply water temperature too low (cooling mode) EEV malfunctioning or disconnected
F44	Invalid EEV mode selection	