**Fault Codes & Troubleshooting**

During normal operation, error\_code remains "None". Please refer to the sections below on fault details.

# **## Error Code: E1**

* Fault Type: high\_temperature
* Internal Effect: Indoor temperature increases drastically by 5 to 10 °C.
* Troubleshooting Steps: 1. Check compressor functionality, 2. Verify refrigerant pressure, 3. Inspect the filter and ensure proper airflow.
* Action: 1. Log a ticket. STOP! No more action.

# **## Error Code: E2**

* Fault Type: low\_pressure
* Internal Effect: Refrigerant pressure drops toward the lower threshold (50 – 60 PSI).
* Troubleshooting Steps: 1. Check for refrigerant leaks, 2. Verify correct refrigerant charge, 3. Inspect compressor for abnormal sounds or vibrations.
* Action: 1. Log a ticket, 2. Clear fault. STOP! No more action.

# **## Error Code: E3**

* Fault Type: compressor\_failure
* Internal Effect: Compressor stays off, power consumption drops to 0.
* Troubleshooting Steps: 1. Verify power supply to compressor, 2. Check compressor windings/resistance, 3. Test capacitor and relay.
* Action: 1. Log a ticket, 2. Call site operator. STOP! No more action.

# **## Error Code: W1**

* Fault Type: high\_electricity\_consumption
* Internal Effect: Warning for abnormal increase in electricity consumption. If the electricity consumption is more than 1200 watts for quite some, it needs inspection.
* Troubleshooting Steps: 1. Adjust thermostat settings, 2. Check and replace air filters, 3. Inspect and seal ductwork, 4. Clean evaporator and condenser coils, 5. Check for refrigerant leaks
* Action: 1. Log a ticket, 2. Call site operator. STOP! No more action.