



# THERMO KING



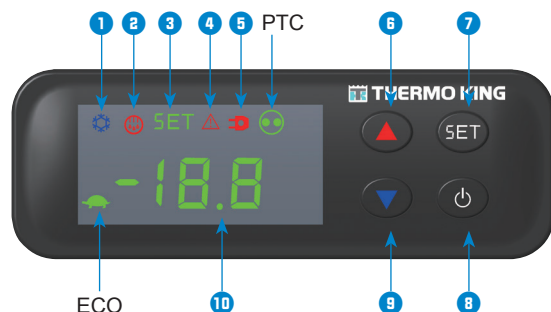
## ARCON CONTROLLER

### Driver Guide EV-580/580S

For more details, please scan QR code below



#### Control Panel



- |                       |                                 |
|-----------------------|---------------------------------|
| ① Unit runs indicator | ⑥ Up key                        |
| ② Defrost indicator   | ⑦ Set key                       |
| ③ Set indicator       | ⑧ ON/OFF key                    |
| ④ Alarm indicator     | ⑨ Down key / Manual defrost key |
| ⑤ Standby indicator   | ⑩ Temp display zone             |

#### Unit ON/OFF

Long press the ON/OFF key  for 1s to turn on or off the Unit.

The temp display zone shows return air temperature after system initialization.

#### View Temperature and Alarm Code

During unit runs, the temp display zone shows return air temperature, the alarm code is displayed alternately with return air temperature when failure occurs.

#### Setpoint Setting

During unit runs, press the SET key  to modify the temperature setpoint, press the up or down key until the desired setpoint is showed, then press the SET key  again to save temperature setpoint.

#### Manual Defrost

Press the down key  for 3s to switch ON/OFF manual defrost function when unit runs.

The defrost indicator  is on, which means manual defrost, and the temp display zone shows "dF".

**Note:** Please contact the TK professional maintenance person if you want to change the auto defrost interval.

#### Alarm Code

If there is any alarm, The alarm indicator  will illuminate.

| Alarm code | Description                        | Remarks                                                                                       |
|------------|------------------------------------|-----------------------------------------------------------------------------------------------|
| E01        | LP transducer fault                | Check the sensor and the alarm will be cleared when the sensor returns to the effective range |
| E02        | HP transducer fault                | Check the sensor and the alarm will be cleared when the sensor returns to the effective range |
| E03        | Return air temperature fault       | Check the sensor and the alarm will be cleared when the sensor returns to the effective range |
| E04        | Supply air temperature fault       | Check the sensor and the alarm will be cleared when the sensor returns to the effective range |
| E05        | Discharge temperature fault        | Check the sensor and the alarm will be cleared when the sensor returns to the effective range |
| E06        | Evaporate coil temperature fault   | Check the sensor and the alarm will be cleared when the sensor returns to the effective range |
| E07        | Ambient air temperature fault      | Check the sensor and the alarm will be cleared when the sensor returns to the effective range |
| E08        | Suction temperature fault          | Check the sensor and the alarm will be cleared when the sensor returns to the effective range |
| F1         | Fans faults(serious)               | Reset and check                                                                               |
| F2         | Fans faults(minor)                 | Alarm and check                                                                               |
| Ht         | High temperature alarm             | Back to normal when ATS is less than 52 °C                                                    |
| Lt         | Low temperature alarm              | Alarm and Check                                                                               |
| Eot        | Discharge temperature alarm        | Back to normal when DTS is less than 80 °C                                                    |
| DPH        | High pressure alarm                | Back to normal when fault disappeared                                                         |
| EPL        | Low pressure alarm                 | Back to normal when fault disappeared                                                         |
| Err        | Inverter fault                     | Check and Reset the unit                                                                      |
| ICE        | ECU/PANEL communication fault      | Check and Reset the unit                                                                      |
| CN3        | Inverter communication fault       | Back to normal when fault disappeared                                                         |
| DCL        | DC/DC fault                        | Check and Reset the unit                                                                      |
| E10        | Inverter over current              | Back to normal when fault disappeared                                                         |
| E11        | Inverter over heat                 | Back to normal when fault disappeared                                                         |
| E12        | Inverter speed abnormal            | Back to normal when fault disappeared                                                         |
| E13        | Inverter over voltage              | Back to normal when fault disappeared                                                         |
| E14        | Inverter under voltage             | Back to normal when fault disappeared                                                         |
| E15        | Inverter loss of phases            | Back to normal when fault disappeared                                                         |
| E16        | Inverter over load                 | Back to normal when fault disappeared                                                         |
| E17        | Inverter a/b/c phases over current | Back to normal when fault disappeared                                                         |
| E18        | Inverter input loss of phases      | Back to normal when fault disappeared                                                         |