

## LIST OF PARAMETERS

**Hy Differential:** (0,2°C÷12,0°C/2°F ÷120°F) Intervention differential for set point.

**Cooling:** Compressor Cut IN is Set Point Plus Differential (Hy). Compressor Cut OUT is when the temperature reaches the set point.

**Heating:** (only XR1110C) Compressor Cut IN is Set Point minus Differential (Hy). Compressor Cut OUT is when the temperature reaches the set point.

**LS Minimum set point:** (- 57°C÷SET/ -57°F÷SET): Sets the minimum acceptable value for the set point.

**US Maximum set point:** (SET÷ 99°C / SET ÷196°F). Set the maximum acceptable value for set point.

**AC Anti-short cycle delay:** (0÷30 min) minimum interval between the compressor stop and the following restart.

**ALC Temperature alarms configuration:**

(0= temperature alarms are related to SET, alarm relay and buzzer works in parallel;

1 = temperature alarms are referred to absolute values; alarm relay and buzzer works in parallel;

2= referred to set, alarm relay is active when the alarm is active;

3= absolute temperature, alarm relay is active when the alarm is active)

determines if temperature alarms are relative to setpoint or if alarms are referred to absolute temperatures.

**ALU MAXIMUM temperature alarm:** (with **ALC = 0 or 2** from 0 to 50°C/90°F above the set point; with **ALC = 1 or 3** from ALL to 99°C/ 196°F) when this temperature is reached the alarm is enabled, after the "Ald" delay time.

**ALL Minimum temperature alarm:** (with **ALC = 0 or 2** from 0 to 50°C/90°F below the set point; with **ALC = 1 or 3** from -57 °C/°F to ALU) when this temperature is reached the alarm is enabled, after the "Ald" delay time.

**Ald Temperature alarm delay:** (0÷120 min) time interval between the detection of an alarm condition and alarm signalling.

**dAO Delay of temperature alarm at startup:** (from 0 min to 720 min; res. 10min) time interval between the detection of the temperature alarm condition after instrument power on and alarm signalling.

**OdS Outputs activation delay at start up:** (0÷120min) This function is enabled at the initial start up of the instrument and inhibits any output activation for the period of time set in the parameter.

**Cct Compressor ON time during fast freezing:** (0÷990 min; res. 10min) (Not model XR110C) allows to set the length of the fast freezing cycle. Can be used, for instance, when the room is filled with new products.

**dAF Defrost delay after fast freezing cycle:** (0÷120 min) (Not model XR110C) time interval between the end of the fast freezing cycle and the following defrost related to it.

**IdF Interval between defrost cycles:** (1÷120 hours) (Not model XR110C) Determines the time interval between the beginning of two defrost cycles.

**MdF Length for defrost:** (0÷120 min; with 0 the defrost is disabled) (Not model XR110C) It sets the defrost duration.

**dFd Temperature displayed during defrost:** (Not model XR110C)

(0 = real temperature; 1 = temperature at defrost start; 2 = set point; 3 = "dEF" label)

**dAd MAX display delay after defrost:** (Not model XR110C) (0÷120 min). Sets the maximum time between the end of defrost and the restarting of the real room temperature display.

**dPO First defrost after startup:** (0 = Immediately; 1 = after the IdF time) (Not model XR110C)

**Ot Thermostat probe calibration:** (-12.0÷12.0°C; -120÷120°F) allows to adjust possible offset of the thermostat probe.

**CF Temperature measurement unit:** 0 = Celsius; 1 = Fahrenheit.

WARNING: When the measurement unit is changed the SET point and the values of the parameters Hy, LS, US, ALU, ALL and Ot have to be modified)

- CH Type of action:** (Only for XR110C) 0 = cooling; 1 = heating
- CO<sub>n</sub> Compressor ON time with faulty probe:** (0÷120 min) time during which the compressor is active in case of faulty thermostat probe. With CO<sub>n</sub>=0 compressor is always OFF.
- CO<sub>F</sub> Compressor OFF time with faulty probe:** (0÷120 min) time during which the compressor is OFF in case of faulty thermostat probe. With CO<sub>F</sub>=0 compressor is always active.