

媒体编号

技术要求:

1. 尺寸: 280*400mm , 公差±0.5mm

2.105g哑粉纸,黑白印刷

3. 符合ROHS, 红色虚线不印刷, 边缘线不印刷

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日期	签名] MTC-6	000N英文	中性 RO	HS	阶段	标	记	第 1	张	共	2 张
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Operation Instructions (System Menu) Water pump starts first if cooling is Under running status, press and hold [SET] and v buttons for more than 5 seconds until code F1 shows in Room Temp activated. F11 3~255 window, user can set system parameter values. Press set button again to set the parameter value. Repeat this Prefilling Time After F11 elapses, the compressor is operation to set each parameter value. Use or button to change parameter value, which is displayed in Off Temp window. At this moment, all the parameter indicators are off. Under this status, hold set button for more than 3 seconds or keep the controller inactive for 10 seconds, it will save settings and exit. Pump F12 3~255 water pump stops running after F12 Parameter Item Setting Range Default Unit Defrost 0: Disable Name F13 Sensor Options 1: Enable Increase or decrease F1 value for Calibration Fan Activity 0: Off F1 -10.0~+10.0 calibration if displayed temperature F14 0 Temperature 1: On **During Defrost** 0: Disable Alarm will be triggered if room 1: Door switch Digital Input F2 Alarm Offset 0~50.0 10.0 temperature > On Temp + F2 or room F15 2: High/low pressure input Options temperature < Off Temp - F2. 3: Auxiliary input Type of Digital 0: Closed to take effect 1: Hot gas defrost; F3 1: Open to take effect Input 2: Defrost with compressor 0: Compressor evaporator fan are switched 0: Controller operating time Defrost F4 Counting Type 1: Compressor operating time 1: Evaporator fan is switched F5 **Dripping Time** 0~120 min The time interval after defrosting -30~-1: Fan starts running 3 2: Cold room light is turned to 30 minutes earlier than Door Switch F17 compressor 3: Compressor and Fan Start Fan stops running during defrosting. 0~30: Fan starts running 0 to If F6=0 and F7=0, fan & compressor 30 minutes later than off, and cold room light is are switched on and off simultaneously. C: Fan runs continuously 4: Evaporator fan is switched If F6=C or F7=C, fan runs $0^{\sim}30$: Fan stops running 0 to off and cold room light is continuously 30 minutes later than turned on F7 Fan Stop Mode compressor Door Switch F18 0~120 C: Fan runs continuously Alarm Delay Alarm will be triggered if the Password F19 0~999 0 F8 temperature goes out of temperature Alarm Delay 0~120 Increase/decrease F20 value for Defrost Probe calibration if the temperature read by When controller is powered on, alarm Calibration defrost sensor offsets. will not be triggered within F9 15 System pauses until F21elapses. Pause Duration 0: Disable 0: Disable 1: Alarm output 1: Enable - automatically **Auxiliary Output** Backup Sensor F10 2: Condenser pump output F22 active as a room temperature 3: Auxiliary output sensor to control output in 4: Light output the event of a faulty room temperature sensor. 3) The temperature measured by defrost sensor < defrost stop temperature. If defrost sensor is disabled (F13=0), the condition takes no effect. To **stop defrost**, one of the following conditions has to be satisfied: temperature sensor to 1) The temperature measured by defrost sensor reaches defrost stop temperature 2) Defrost lasts too long and defrost time elapses. measure temperature but not 3) Press # button to stop defrosting. control output. 3: Enable - used together Fan is controlled by compressor running time. with the room temperature If defrost is not active, C indicates the fan runs continuously (stops during defrost); 0~30 indicates fan starts (stops) running 0 to 30 minutes later than compressor; -1~-30 indicates fan starts running 1 to 30 minutes earlier than compressor; sensor. The average If defrost is active, F14=0, fan stops running; F14=1, fan starts running. temperature measured by 4. Water Pump (F10=2) Water pump starts first if cooling is activated. After water prefilling time (F11) elapses, the compressor will be switched on. If cooling is inactive and the compressor is switched off, the water pump will stop after pump stop delay 1~127 Address The buzzer will beep when alarm outputs. Press and release lacktriangle button to mute the buzzer. Instruction of Buttons 1) Defrost button (*) In the non-defrosting, non-parameter setting and non-parameter viewing status, if the defrost interval is not set to 0 and Room sensor faulty Compressor operates in duty cycle mode. the temperature read by defrost sensor is lower than the defrost stop temperature set-point, press and hold # button for more than 5 seconds to enter manual defrost status. Hold 🖶 button again for more than 5 seconds to exit manual E2 Defrost sensor faulty Defrost is controlled by time. Temperature alarm (room sensor) Compressor Operates in duty cycle mode. 2) button(mainly in Wi-Fi status) Under running status, press and hold button, Room Temp window will display "NET" and Off Temp window will Temperature alarm (defrost sensor) Defrost is controlled by time. display the current network status. E5 Time out alarm Compressor Operates in duty cycle mode. Display in Off Temp window Value and its meaning E6 Door switch alarm Per parameter settings Backup sensor faulty 0: Network module does not exist or fails. E7 E8 High/Low pressure alarm 1: Network module exists but has no E9 EEPROOM error signal. High temperature alarm (back sensor) E10 2: Wi-Fi is not configured. E11 High temperature alarm (back sensor) 3: Wi-Fi has been connected Nixie tubes flash. High/low temperature alarm 4: 2G network has been connected. 6. Alarm Relay 5: 4G network has been connected. If auxiliary output is set to alarm output (F10=1), the relay will close in case of an alarm. After all the alarms are removed 0: No signal. Second digit The second digit works only alarm relay is disabled. 1: Weak signal. when the first digit is more 7. On/Off During normal operation, press and hold 🕖 button for more than 5 seconds, the window shows PAC and the system enters pause status. After pause time (F21) elapses, the system goes into normal running status. In the pause status, press than 3. 2: Moderate signal. 3: Strong signal. and hold 😈 button again for 5 seconds, the window shows OFF, the system is switched off, i.e. the controller is turned off 4: Very strong signal. and all the outputs are shut down. Press 🔱 button again for more than 5 seconds, the system enters normal operation 3) button Under running status, press and hold button, Room Temp window will display "P2" and Off Temp window will display "P2" and Off Temp window will display "P2" (the temperature MODBUS-RTU RS-485 Communication the current temperature measured by the sensor. Please use or button to switch between "P2" (the temperature measured by defrost sensor) and "P3" (the temperature measured by backup sensor). The system adopts the communication protocol of MODBUS-RTU slave mode. Baud rate: 9600, parity: none, data length: 8 bit, stop bit: 1. MODBUS RTU function 03 is used to read holding registers and 06 is used to write a single register. If either sensor is disabled, the corresponding temperature measured will not be viewed. Press button to exit after **Appendix: Character Set** Wiring Diagram Output Control 1. Cooling To switch on compressor, all following conditions have to be satisfied: 1) Compressor delays longer than the compressor start delay set-point. 2) Pump running time ≥ water prefilling time (F11) (only when F10=2). 0 123456189 Abcaceco ELACOPACSE UKENYSEO 3) Room temperature ≥ On Temp set-point. To **switch off compressor**, one of the following conditions has to be satisfied: 1) Room temperature ≤ Off Temp set-point. 2) Defrost in progress. 3) Cooling is forced to stop. 2. Defrost (if defrost interval = 0, defrost is disabled.) To start defrost, all following conditions have to be satisfied: 2) Defrost interval elapses or defrost is manually started. 7 8 1. 尺寸: 280*400mm , 公差±0.5mm 2.105g哑粉纸,黑白印刷 3. 符合ROHS, 红色虚线不印刷, 边缘线不印刷 数量 标记 更改单号 签名 日期 25050206771 JC-8.871.923 说明书

MTC-6000N英文中性 ROHS

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