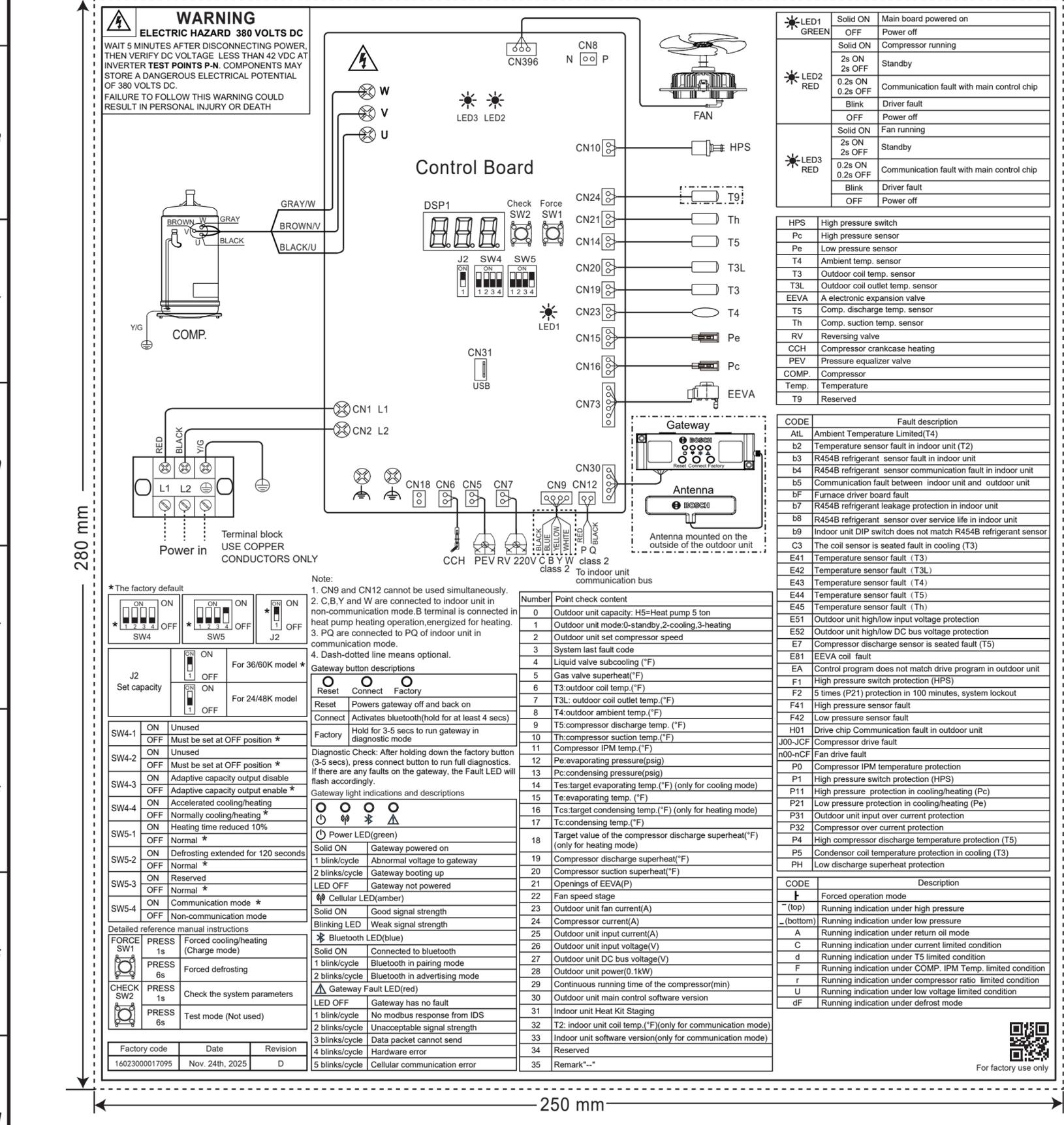


设计标准:
Q/MZ-J34.082
《中央空调接
线铭牌设计规
范》

机密 SECRET	本文件含美的集团保密信息，禁止任何人未经授权以任何形式使用（包含不限于全部或部分地泄露、复制或散发） This document contains confidential information of Midea Group, and unauthorized use in any form (including but not limited to full or partial disclosure, copying, or distribution) is prohibited by anyone.						
标记 MARKER	更改等级 GRADE	处数 NUMBER	更改单号 ECO NO.	签名 SIGNATURE	日期 DATE	售后互换性 INTERCHANGEABILITY	更改理由 REMARK
C	III	1	N52574773	肖文蔚	2025.5.19	是	SW5-2拨码描述保持与客供说明书一致
D	III	1	N53107686	韩跃政	25.11.24	是	增加For factory use only二维码

编号	自查内容	编辑者核对	审核者核对
1	接线正确		
2	颜色正确(除黄绿色可缩写Y/G,其他需全拼标注)		
3	文字无错别字, 拼写无误		
4	文字规范 (字号≥5pt 中文黑体 英文Arial-regular)		
5	电气接线线粗要求 (线粗≥0.5pt)		
6	尺寸要求 (1:1)		
7	使用工具 (AI CS6)		
8	缩写规范 (元器件缩写统一、正确)		
9	材质要求: 哑银PET t0.05+覆膜T0.025 UL哑银PET t0.025+覆膜T0.025		
10	编码、日期、版本号正确		



LED1 GREEN	Solid ON	Main board powered on
	OFF	Power off
LED2 RED	Solid ON	Compressor running
	2s ON 2s OFF	Standby
	0.2s ON 0.2s OFF	Communication fault with main control chip
	Blink	Driver fault
	OFF	Power off
LED3 RED	Solid ON	Fan running
	2s ON 2s OFF	Standby
	0.2s ON 0.2s OFF	Communication fault with main control chip
	Blink	Driver fault
	OFF	Power off

HPS	High pressure switch
Pc	High pressure sensor
Pe	Low pressure sensor
T4	Ambient temp. sensor
T3	Outdoor coil temp. sensor
T3L	Outdoor coil outlet temp. sensor
EEVA	A electronic expansion valve
T5	Comp. discharge temp. sensor
Th	Comp. suction temp. sensor
RV	Reversing valve
CCH	Compressor crankcase heating
PEV	Pressure equalizer valve
COMP.	Compressor
Temp.	Temperature
T9	Reserved

CODE	Fault description
ATL	Ambient Temperature Limited(T4)
b2	Temperature sensor fault in indoor unit (T2)
b3	R454B refrigerant sensor fault in indoor unit
b4	R454B refrigerant sensor communication fault in indoor unit
b5	Communication fault between indoor unit and outdoor unit
bF	Furnace driver board fault
b7	R454B refrigerant leakage protection in indoor unit
b8	R454B refrigerant sensor over service life in indoor unit
b9	Indoor unit DIP switch does not match R454B refrigerant sensor
C3	The coil sensor is seated fault in cooling (T3)
E41	Temperature sensor fault (T3)
E42	Temperature sensor fault (T3L)
E43	Temperature sensor fault (T4)
E44	Temperature sensor fault (T5)
E45	Temperature sensor fault (Th)
E51	Outdoor unit high/low input voltage protection
E52	Outdoor unit high/low DC bus voltage protection
E7	Compressor discharge sensor is seated fault (T5)
E81	EEVA coil fault
EA	Control program does not match drive program in outdoor unit
F1	High pressure switch protection (HPS)
F2	5 times (P21) protection in 100 minutes, system lockout
F41	High pressure sensor fault
F42	Low pressure sensor fault
H01	Drive chip Communication fault in outdoor unit
J00-JCF	Compressor drive fault
n00-nCF	Fan drive fault
P0	Compressor IPM temperature protection
P1	High pressure switch protection (HPS)
P11	High pressure protection in cooling/heating (Pc)
P21	Low pressure protection in cooling/heating (Pe)
P31	Outdoor unit input over current protection
P32	Compressor over current protection
P4	High compressor discharge temperature protection (T5)
P5	Condenser coil temperature protection in cooling (T3)
PH	Low discharge superheat protection

Note:
1. CN9 and CN12 cannot be used simultaneously.
2. C, B, Y and W are connected to indoor unit in non-communication mode. B terminal is connected in heat pump heating operation, energized for heating.
3. P, Q are connected to P, Q of indoor unit in communication mode.
4. Dash-dotted line means optional.

Gateway button descriptions		
Reset	Connect	Factory
Reset	Powers gateway off and back on	
Connect	Activates bluetooth(hold for at least 4 secs)	
Factory	Hold for 3-5 secs to run gateway in diagnostic mode	

SW4	Position	Description
SW4-1	ON	Unused
	OFF	Must be set at OFF position *
SW4-2	ON	Unused
	OFF	Must be set at OFF position *
SW4-3	ON	Adaptive capacity output disable
	OFF	Adaptive capacity output enable *
SW4-4	ON	Accelerated cooling/heating
	OFF	Normally cooling/heating *
SW5-1	ON	Heating time reduced 10%
	OFF	Normal *
SW5-2	ON	Defrosting extended for 120 seconds
	OFF	Normal *
SW5-3	ON	Reserved
	OFF	Normal *
SW5-4	ON	Communication mode *
	OFF	Non-communication mode

FORCE SW1	Operation	Description
	PRESS 1s	Forced cooling/heating (Charge mode)
	PRESS 6s	Forced defrosting
CHECK SW2	Operation	Description
	PRESS 1s	Check the system parameters
	PRESS 6s	Test mode (Not used)

Factory code	Date	Revision
16023000017095	Nov. 24th, 2025	D

Number	Point check content
0	Outdoor unit capacity: H5=Heat pump 5 ton
1	Outdoor unit mode: 0-standby, 2-cooling, 3-heating
2	Outdoor unit set compressor speed
3	System last fault code
4	Liquid valve subcooling (°F)
5	Gas valve superheat (°F)
6	T3: outdoor coil temp. (°F)
7	T3L: outdoor coil outlet temp. (°F)
8	T4: outdoor ambient temp. (°F)
9	T5: compressor discharge temp. (°F)
10	Th: compressor suction temp. (°F)
11	Compressor IPM temp. (°F)
12	Pe: evaporating pressure (psig)
13	Pc: condensing pressure (psig)
14	Te: target evaporating temp. (°F) (only for cooling mode)
15	Te: evaporating temp. (°F)
16	Tcs: target condensing temp. (°F) (only for heating mode)
17	Tc: condensing temp. (°F)
18	Target value of the compressor discharge superheat (°F) (only for heating mode)
19	Compressor discharge superheat (°F)
20	Compressor suction superheat (°F)
21	Openings of EEVA (P)
22	Fan speed stage
23	Outdoor unit fan current (A)
24	Compressor current (A)
25	Outdoor unit input current (A)
26	Outdoor unit input voltage (V)
27	Outdoor unit DC bus voltage (V)
28	Outdoor unit power (0.1kW)
29	Continuous running time of the compressor (min)
30	Outdoor unit main control software version
31	Indoor unit Heat Kit Staging
32	T2: indoor unit coil temp. (°F) (only for communication mode)
33	Indoor unit software version (only for communication mode)
34	Reserved
35	Remark: "-"

CODE	Description
+	Forced operation mode
~ (top)	Running indication under high pressure
~ (bottom)	Running indication under low pressure
A	Running indication under return oil mode
C	Running indication under current limited condition
d	Running indication under T5 limited condition
F	Running indication under COMP. IPM Temp. limited condition
r	Running indication under compressor ratio limited condition
U	Running indication under low voltage limited condition
dF	Running indication under defrost mode



接线铭牌、接线座标贴图纸技术要求 (版本号: E, 2025-2)
1. 制件的外观质量、材料性能应符合Q/MZ-J53.002《标贴件通用技术条件》的有关要求;
2. 制件的底色为白色, 其它印刷颜色如图纸标注 (未注字体印刷颜色为黑色);
3. 未注尺寸公差应符合GB/T1804-v, 带括号 () 尺寸为参考尺寸, 不作判定;
4. 有环保指令要求的物料应符合美的的企业标准Q/MZ-J11.010《产品中限制使用有害物质的技术标准》。

Technical Requirements for Drawings (Version Number: E, 2025-2)
1. The parts' appearance quality and material properties must meet the relevant requirements of Q/MZ-J53.002, "General Technical Conditions for Label Parts."
2. The base color of the workpiece should be natural, and the printing colors should be as indicated on the drawing. Unmarked fonts should be printed in black.
3. The final dimension tolerance must comply with GB/T1804-v. Dimensions in parentheses () are reference dimensions and are not subject to judgment.
4. Materials with Environmental directive requirements must comply with Midea's enterprise standard Q/MZ-J11.010, "Restricted Use in Products" Technical Standards for Hazardous Substances.

设计 DESIGN	肖文蔚	整机型号 MODEL	BO-KFR105W/BP2N10-531V20[G] BO-KFR105W/BP2N10-531V20[G]D	图号	BO-KFR105W/BP2N10-531V20[G]-CVP-DPM-1 PART NO.
校对 CHECK	谢铭盛	名称 PART	室外机接线铭牌 Outdoor unit wiring nameplate	材料	UL艾利哑银PET t0.025+ 富洲PET覆膜t0.025 UL Aili matte silver PET t0.025+Fuzhou PET film t0.025
工艺 PROCESS	罗英汇	阶段标记 REL		版本号 REV.NO.	D
标准化 STANDARD	黄祥云	重量 WEIGHT		比例 SCALE	1:1
审核 APPROVE	郑周池	S	K	广东美的暖通设备有限公司 GD Midea Heating & Ventilating Equipment Co., Ltd	
批准 AUTHORIZE	张晓东	共 1 页 TOTAL SHEETS		共 1 页 NO. OF SHEETS	