

12/12/2023

## Tech Bulletin TB231212-12

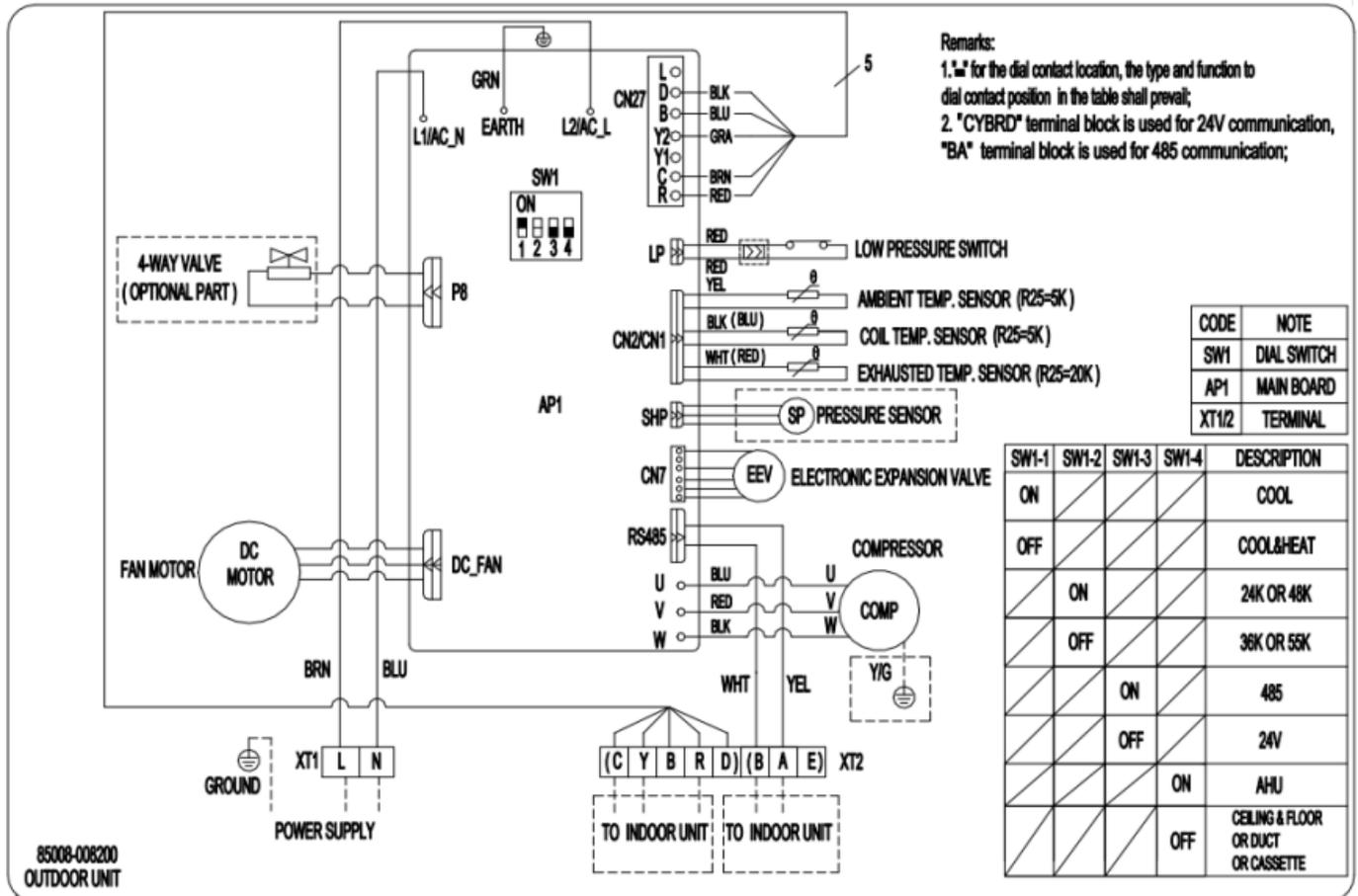
### MRR-T

## Wiring diagrams for Inverter or On-Off units

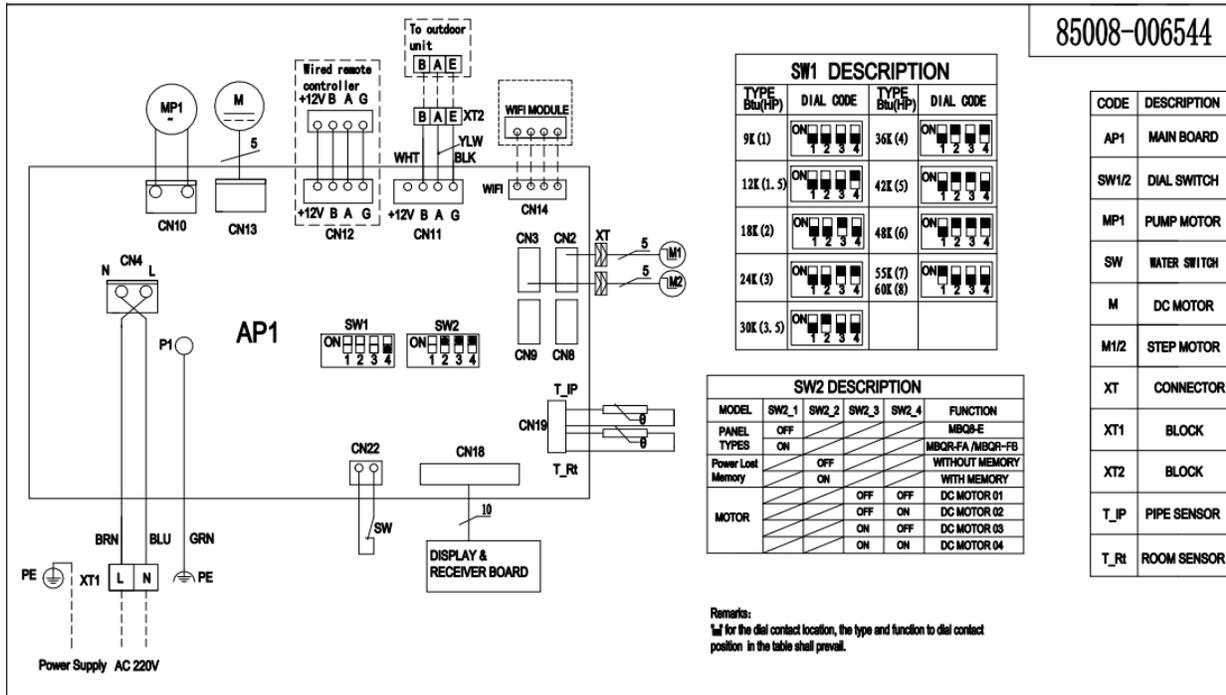
1. Inverter outdoor unit MRR-T combine with Inverter indoor unit AHH-T.

terminal C connect to terminal C; terminal R connect to terminal R.

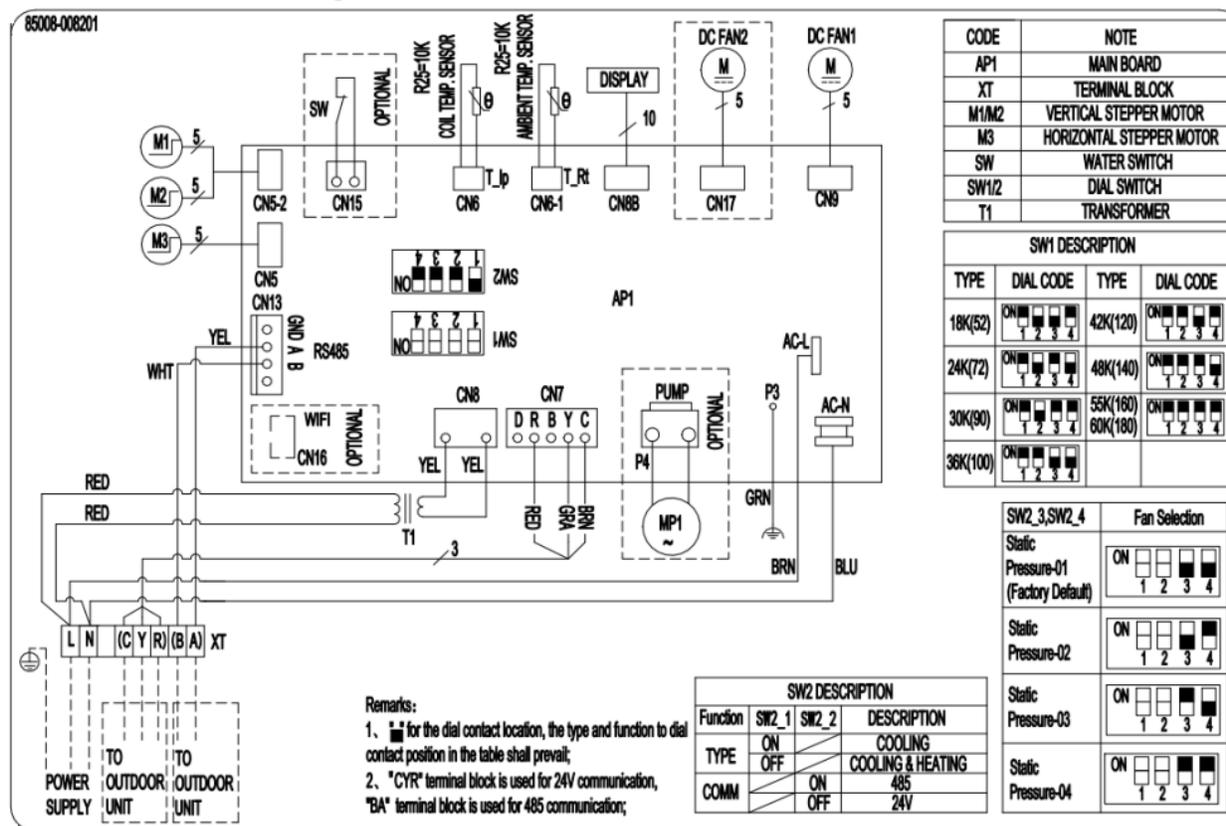
Eg: 5Ton INVERTER MRR60-410-T(outdoor unit):



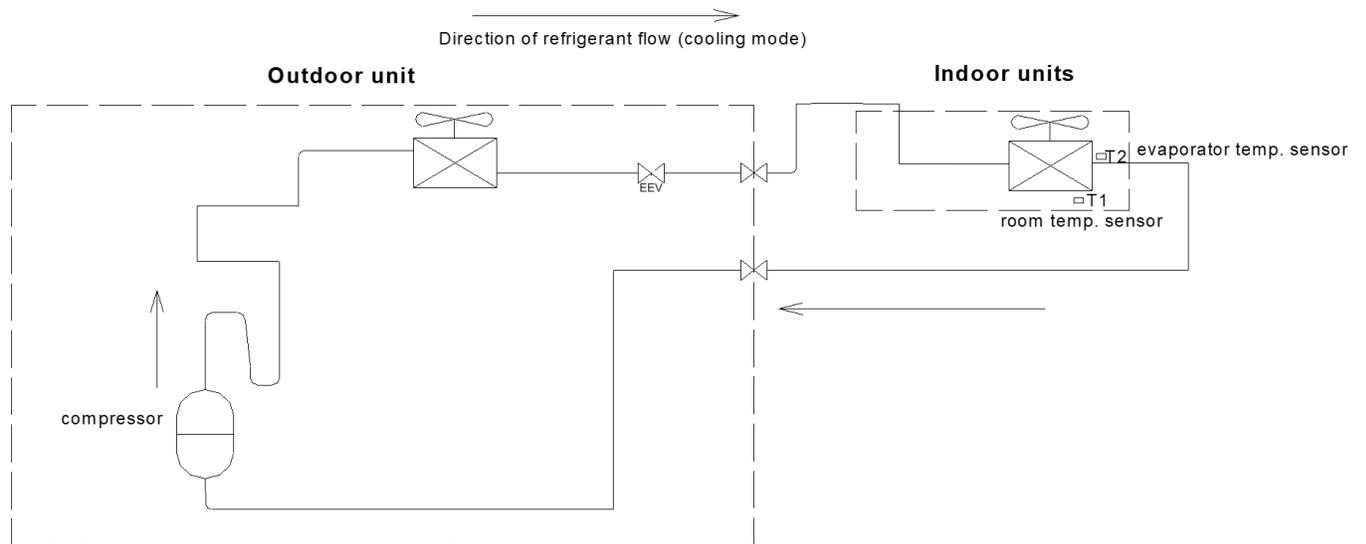
## 5Ton INVERTER AHH-T



## 5Ton INVERTER Ceiling floor



Air conditioning schematic diagram:

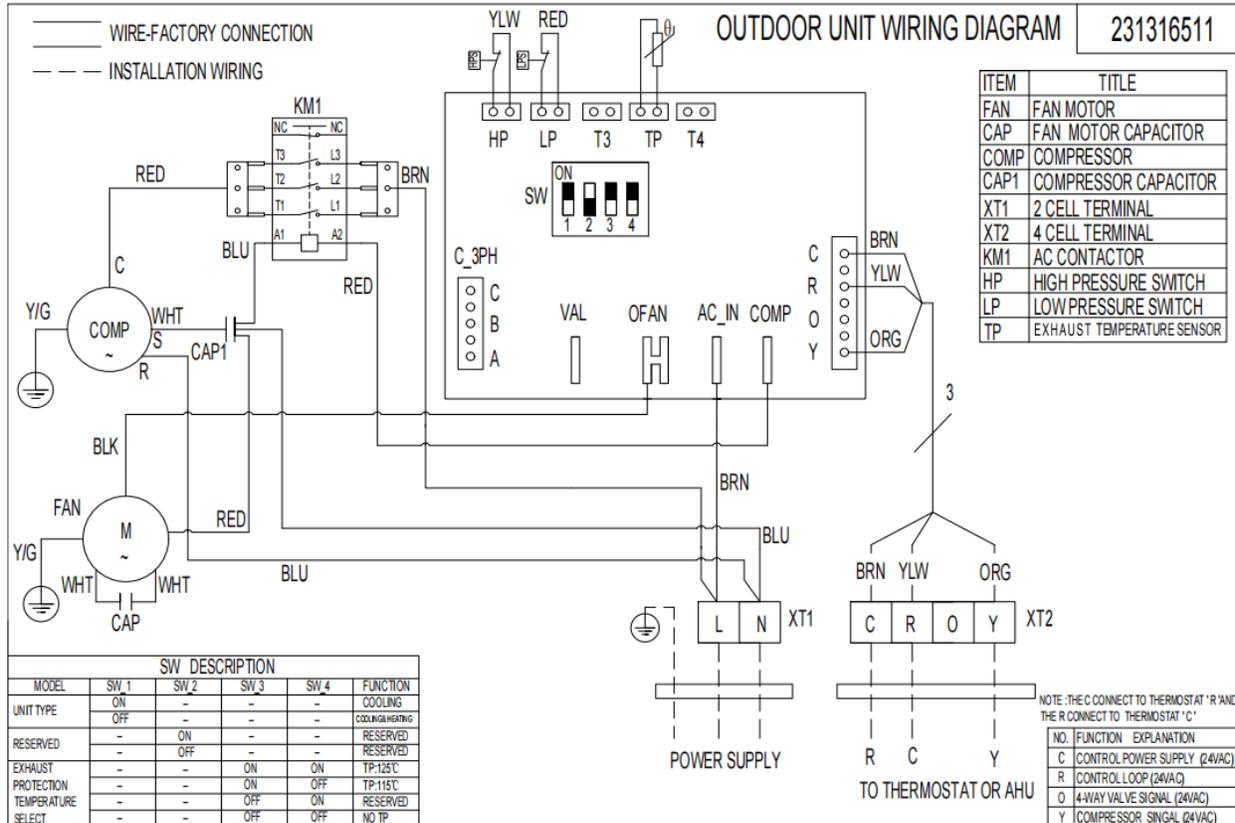


Air conditioning principle :

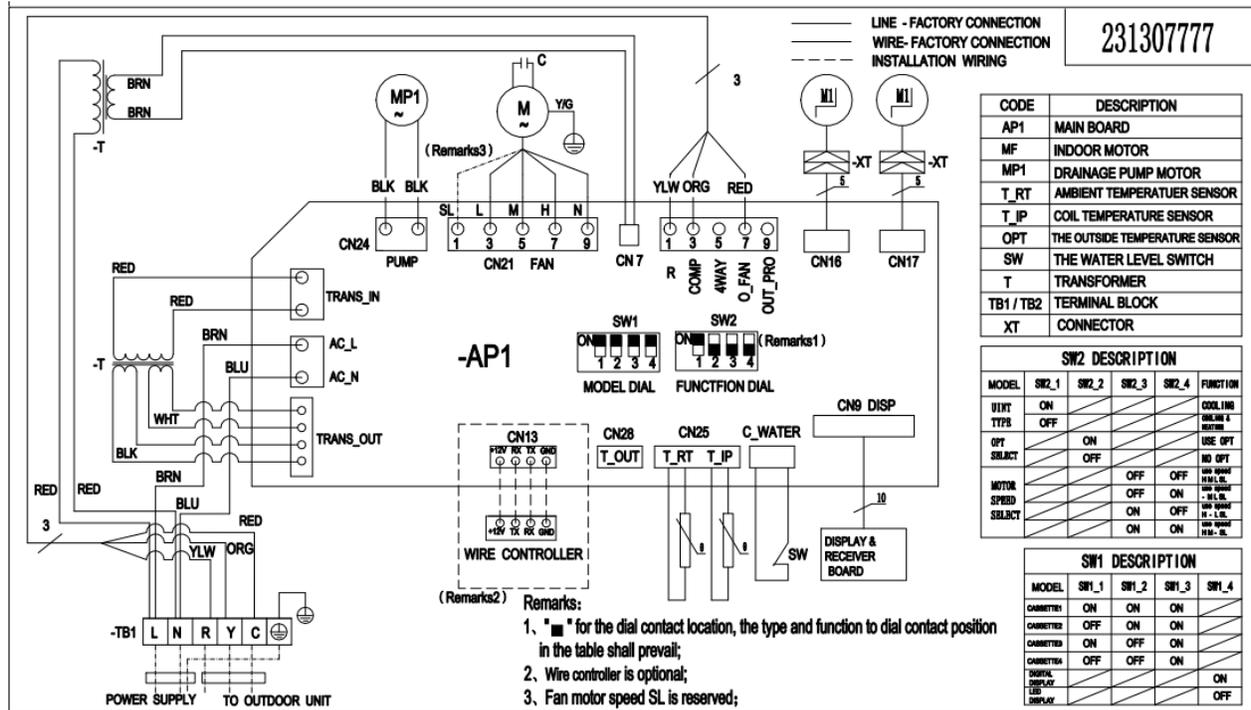
The high-temperature and high-pressure gas enters the condenser. after heat exchange, it enters the evaporator through the EEV s and the stop valve, and then exchanges heat to become a low-temperature and low-pressure liquid refrigerant, finally flows back to the compressor, and the process is repeated.

**2. Inverter outdoor unit MRR-T with On-off indoor unit, terminal C connect to terminal R; terminal R connect to terminal C.**

## EG: 5Ton INVERTER Condenser with ON OFF AHE60-T:

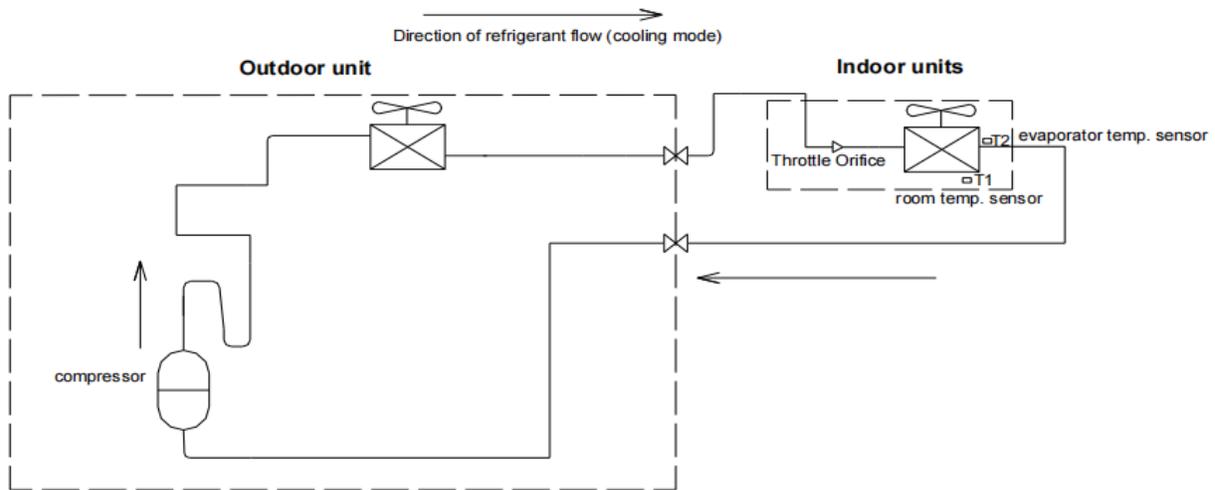


## 5Ton ON OFF CCT60-410-T





Air conditioning schematic diagram:



Air conditioning principle :

The high-temperature and high-pressure gas enters the condenser, after heat exchange, it enters the evaporator through the orifice and the stop valve, and then exchanges heat to become a low-temperature and low-pressure liquid refrigerant, finally flows back to the compressor, and the process is repeated.

## QUESTIONS:

Q1: How to adjust the dialing code when MRR-T connect to fix speed IDU with metering devices?

SW1-1	SW1-2	SW1-3	SW1-4	DESCRIPTION
ON	/	/	/	COOL
OFF	/	/	/	COOL&HEAT
/	ON	/	/	24K OR 48K
/	OFF	/	/	36K OR 55K
/	/	ON	/	485
/	/	OFF	/	24V
/	/	/	ON	AHU
/	/	/	OFF	CEILING & FLOOR OR DUCT OR CASSETTE

A1: As shown in the figure, the dialing code of SW1-3 is turned OFF (ex-factory), and SW1-4 is turned ON. (If there is no metering device in the IDU, turn it off.)

Q2: How to add refrigerant when installing? And how to adjust the pressure?

A2: For MRR-T and Inverter IDU like AHH-T, If it is  $\phi 9.5$ , 60g refrigerant is added per meter;  
For the MRR-T connect to ON-off unit, add gas to the pressure at the low pressure side 0.8Mpa-0.9Mpa.s

Q3: What is piston size of the fixed frequency IDU?

A3: 36K: 062# ; 48K: 076# ; 60K: 085#