

FMA5L, FMA5X

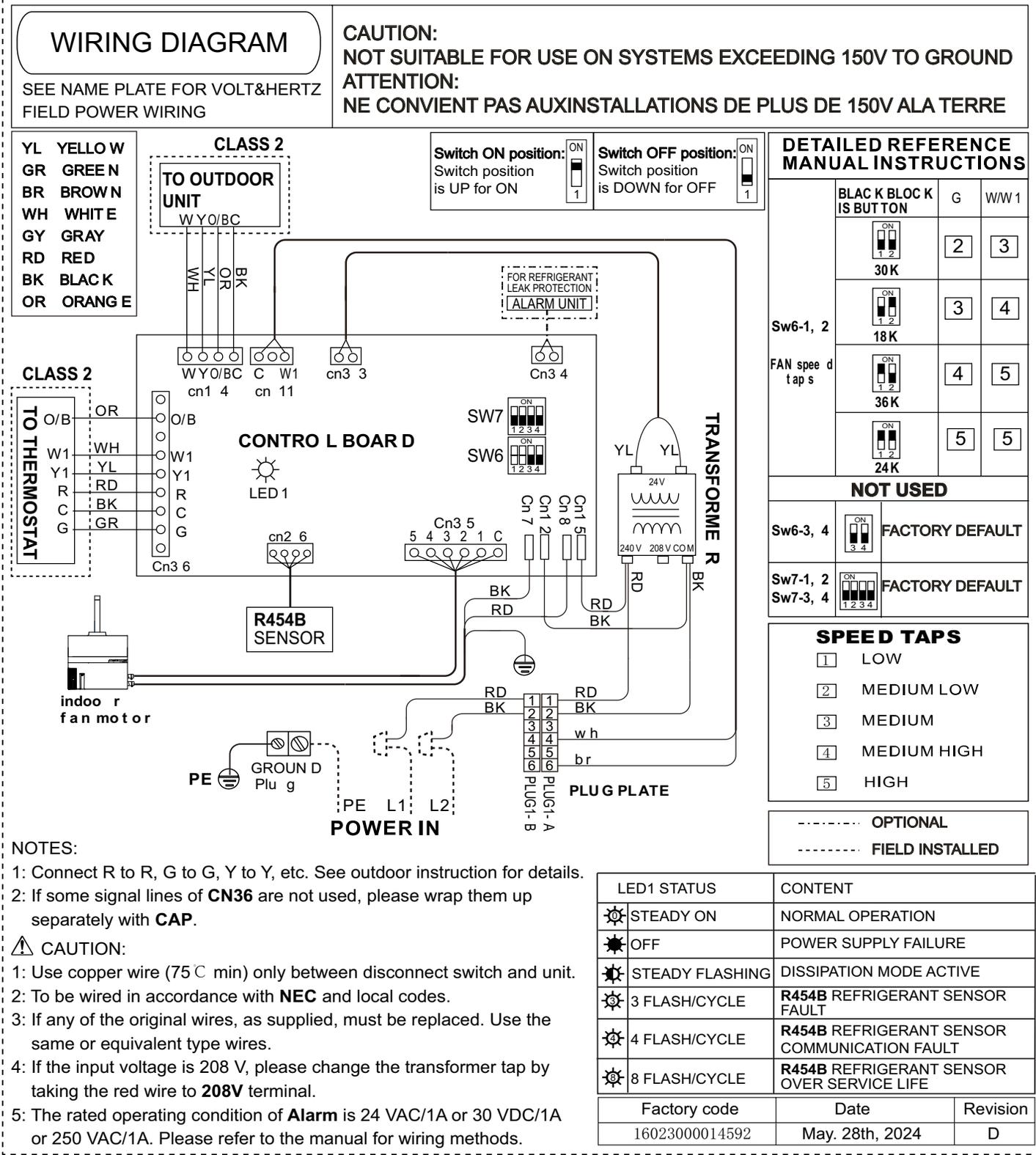
Multifamily Ceiling Mount Fan Coil for R-454B Refrigerant

WIRING DIAGRAM MANUAL

NOTE: Refer to Table 1 to locate the correct Wiring Diagram(s) for your application.

Table 1 – Applicable Wiring Diagrams

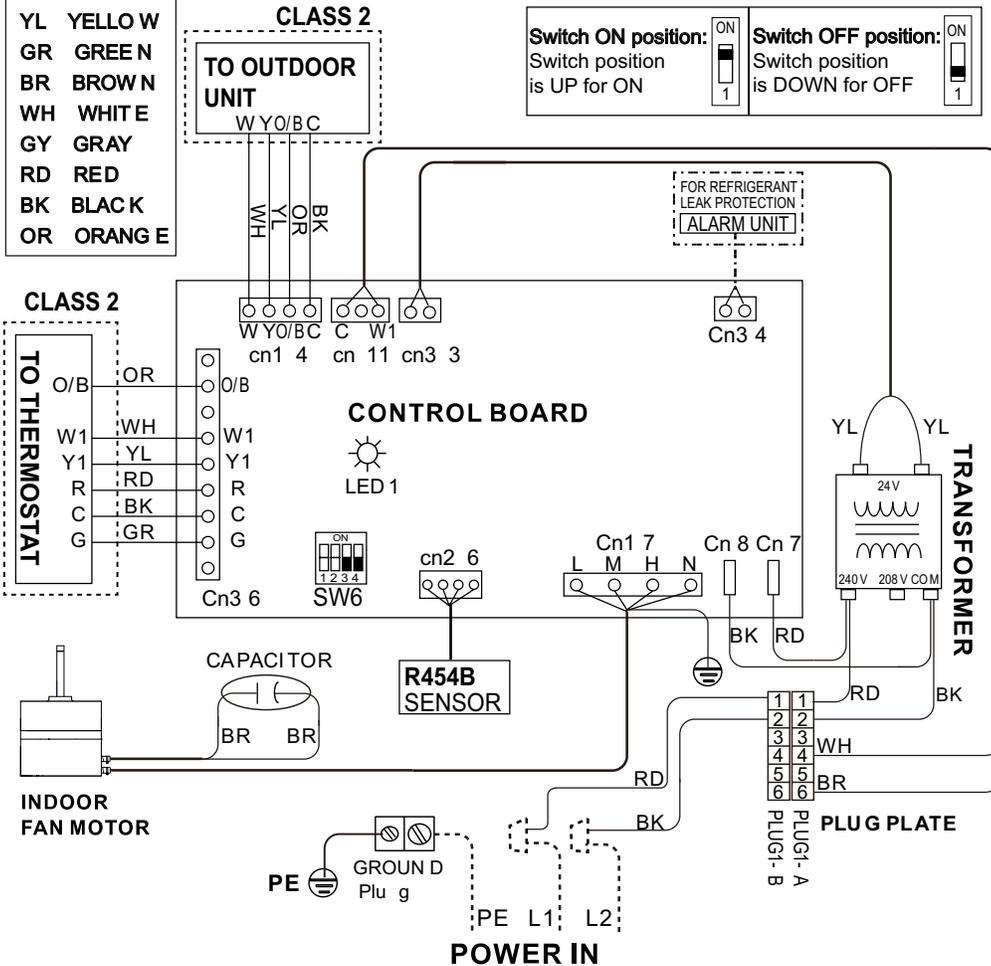
Figure #	Wiring Diagrams
Fig. 1	FMA5L Fan Coil (PSC motor) - Wiring Diagram
Fig. 2	FMA5X Fan Coil (ECM motor) - Wiring Diagram
Fig. 3	FMA5X Fan Coil (ECM motor), Wiring Diagram for Models with Installed Electric Heaters
Fig. 4	FMA5L Fan Coil (PSC motor), Wiring Diagram for Models with Installed Electric Heaters
Fig. 5	FMA5L, FMA5X, Wiring Diagram - Field Installed Electric Heater
Fig. 6	FMA5L, FMA5X, Wiring Diagram - Factory Installed Electric Heater
Fig. 7	FMA5X ECM Motor Speed Taps



WIRING DIAGRAM

SEE NAME PLATE FOR VOLT&HERTZ FIELD POWER WIRING

CAUTION:
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150V TO GROUND
ATTENTION:
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150V ALA TERRE



Switch ON position: Switch position is UP for ON
Switch OFF position: Switch position is DOWN for OFF

DETAILED REFERENCE MANUAL INSTRUCTIONS

	BLAC K BLOC K IS BUTTON	G	W/W 1
		L	H
Sw6-1, 2		L	H
FAN speed taps		M	H
		H	H
NOT USED			
Sw6-3, 4		FACTORY DEFAULT	

SPEED TAPS

	LOW
	MEDIUM
	HIGH

----- OPTIONAL
----- FIELD INSTALLED

NOTES:

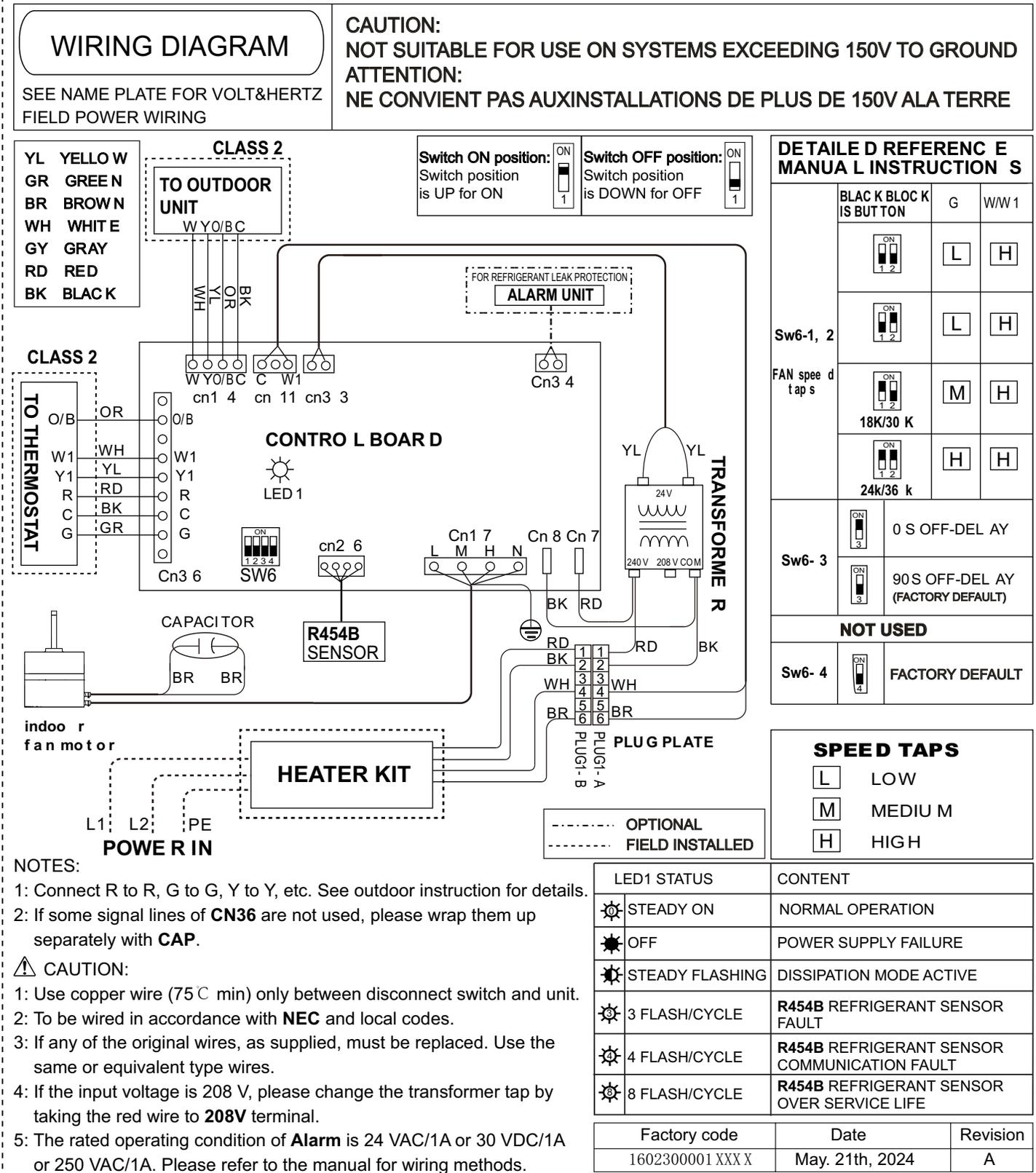
- 1: Connect R to R, G to G, Y to Y, etc. See outdoor instruction for details.
 - 2: If some signal lines of **CN36** are not used, please wrap them up separately with **CAP**.
- CAUTION:**
- 1: Use copper wire (75°C min) only between disconnect switch and unit.
 - 2: To be wired in accordance with **NEC** and local codes.
 - 3: If any of the original wires, as supplied, must be replaced. Use the same or equivalent type wires.
 - 4: If the input voltage is 208 V, please change the transformer tap by taking the red wire to **208V** terminal.
 - 5: The rated operating condition of **Alarm** is 24 VAC/1A or 30 VDC/1A or 250 VAC/1A. Please refer to the manual for wiring methods.

LED1 STATUS	CONTENT
	STEADY ON
	OFF
	STEADY FLASHING
	3 FLASH/CYCLE
	4 FLASH/CYCLE
	8 FLASH/CYCLE
	R454B REFRIGERANT SENSOR FAULT
	R454B REFRIGERANT SENSOR COMMUNICATION FAULT
	R454B REFRIGERANT SENSOR OVER SERVICE LIFE

Factory code	Date	Revision
16023000014593	May. 28th, 2024	D

Fig. 2 – FMA5L Fan Coil (PSC motor) - Wiring Diagram

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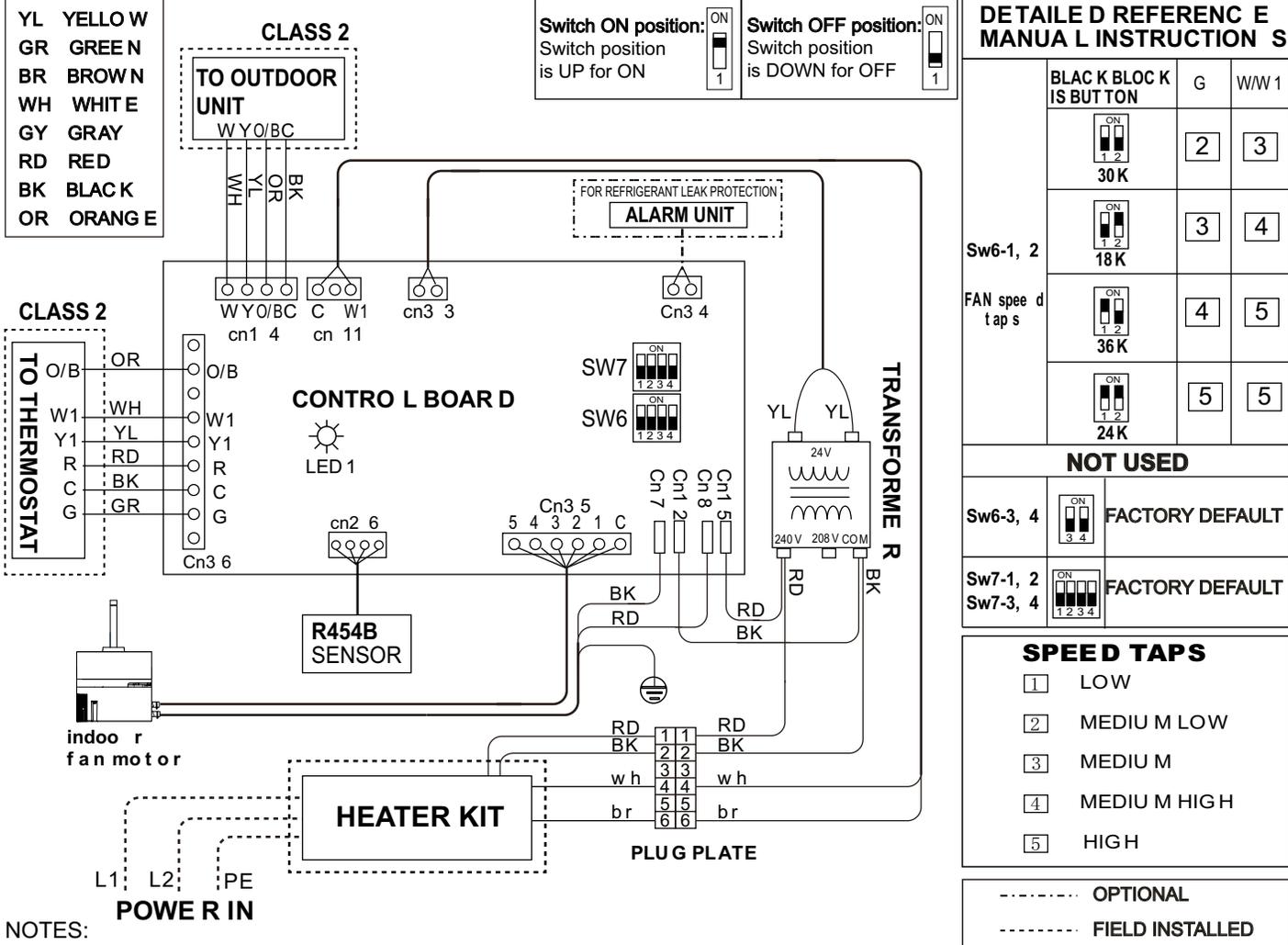


WIRING DIAGRAM

SEE NAME PLATE FOR VOLT&HERTZ
FIELD POWER WIRING

CAUTION:
NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150V TO GROUND

ATTENTION:
NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150V A LA TERRE



- NOTES:**
- 1: Connect R to R, G to G, Y to Y, etc. See outdoor instruction for details.
 - 2: If some signal lines of **CN36** are not used, please wrap them up separately with **CAP**.
- CAUTION:**
- 1: Use copper wire (75°C min) only between disconnect switch and unit.
 - 2: To be wired in accordance with **NEC** and local codes.
 - 3: If any of the original wires, as supplied, must be replaced. Use the same or equivalent type wires.
 - 4: If the input voltage is 208 V, please change the transformer tap by taking the red wire to **208V** terminal.
 - 5: The rated operating condition of **Alarm** is 24 VAC/1A or 30 VDC/1A or 250 VAC/1A. Please refer to the manual for wiring methods.

LED1 STATUS	CONTENT	
	STEADY ON	NORMAL OPERATION
	OFF	POWER SUPPLY FAILURE
	STEADY FLASHING	DISSIPATION MODE ACTIVE
	3 FLASH/CYCLE	R454B REFRIGERANT SENSOR FAULT
	4 FLASH/CYCLE	R454B REFRIGERANT SENSOR COMMUNICATION FAULT
	8 FLASH/CYCLE	R454B REFRIGERANT SENSOR OVER SERVICE LIFE
Factory code		Date
1602300001 XXX X		May. 21th, 2024
		Revision
		A

Fig. 4 – FMA5L Fan Coil (PSC motor), Wiring Diagram for Models with Installed Electric Heaters

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NOTE: Factory Installed Electric Heat (FIEH) and field installed (Kit) electric heaters are wired the same way.

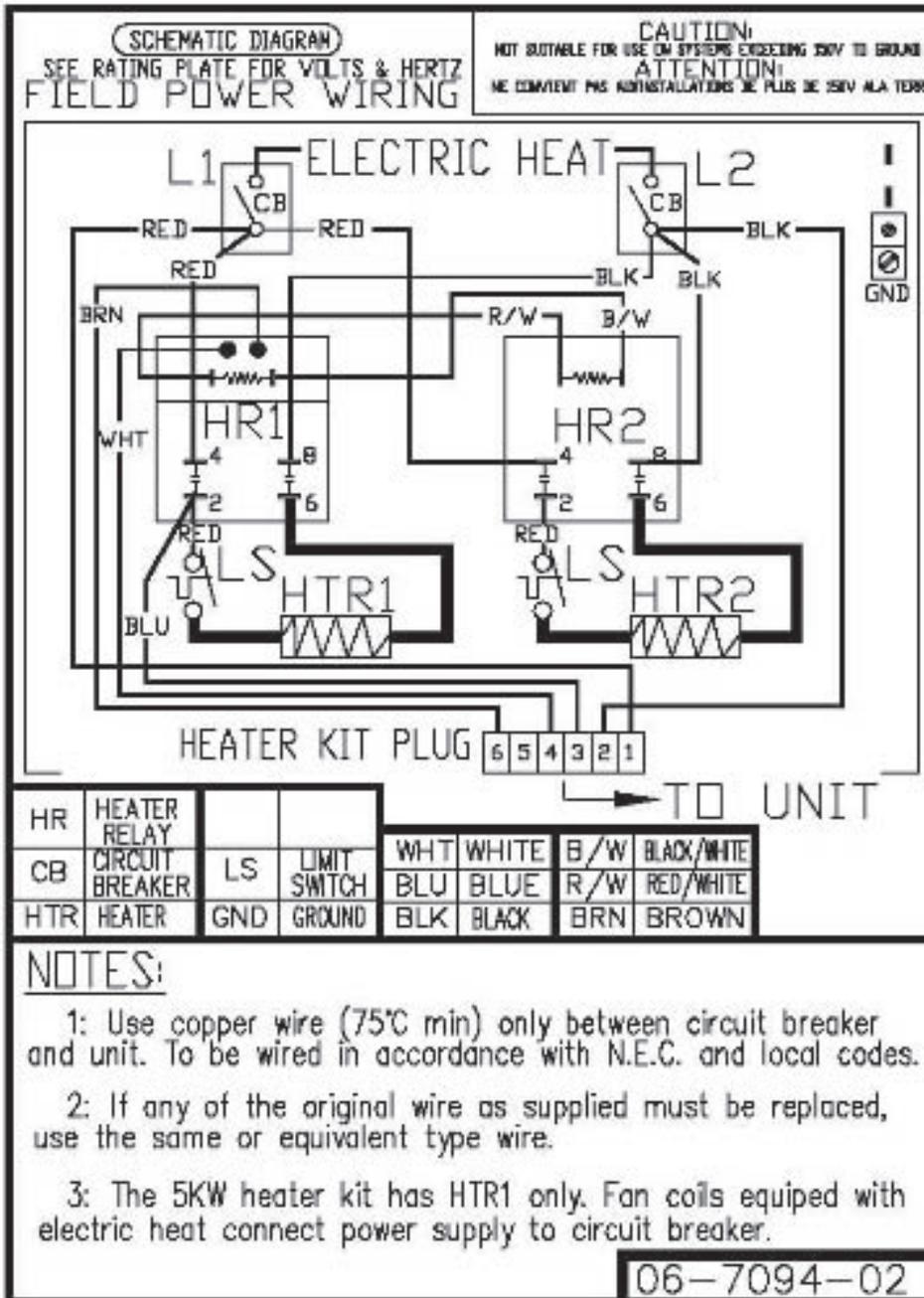


Fig. 5 – FMA5L, FMA5X, Wiring Diagram - Field Installed Electric Heater

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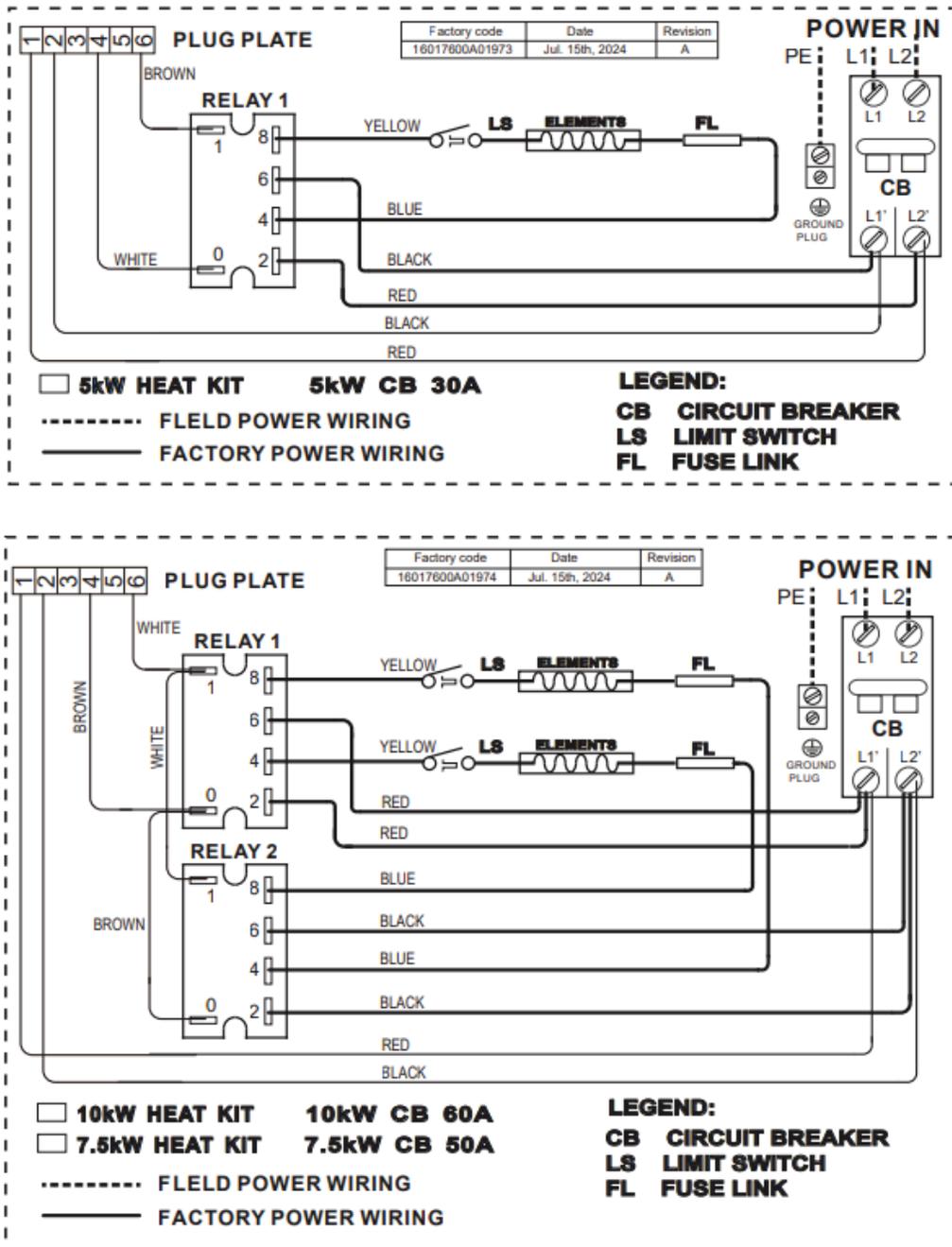


Fig. 6 – FMA5L, FMA5X, Wiring Diagram - Factory Installed Electric Heater

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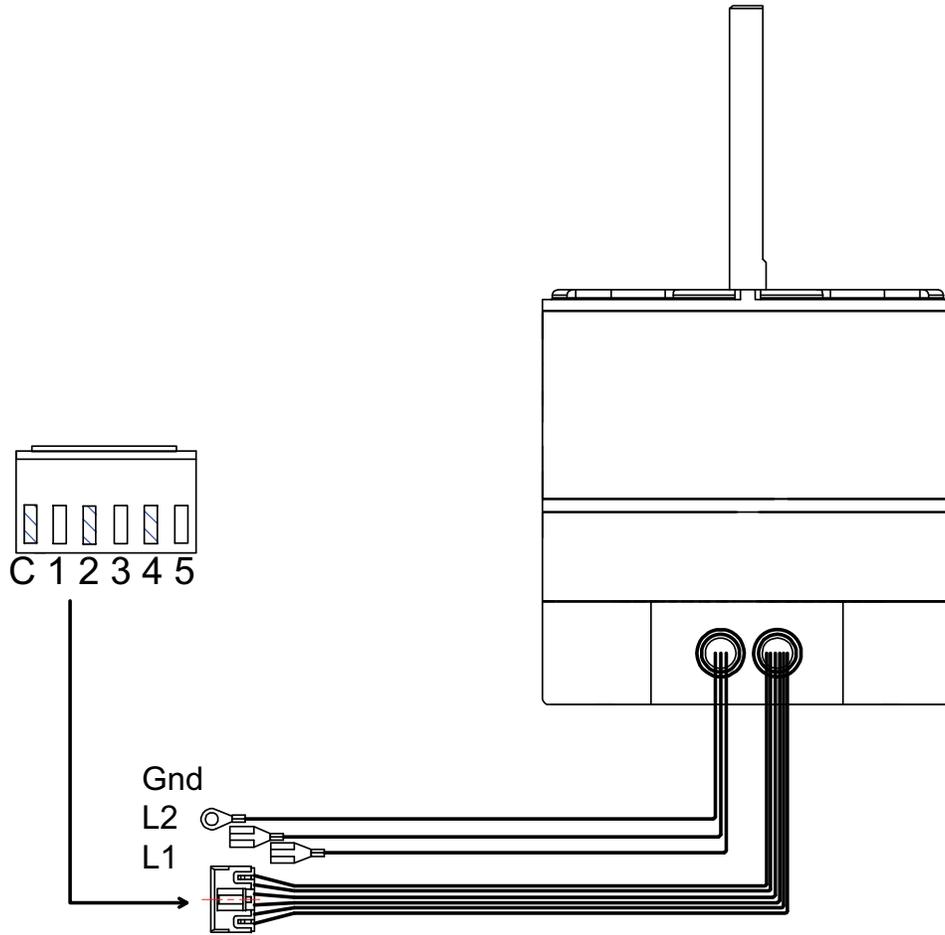


Fig. 7 – FMA5X ECM Motor Speed Taps

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