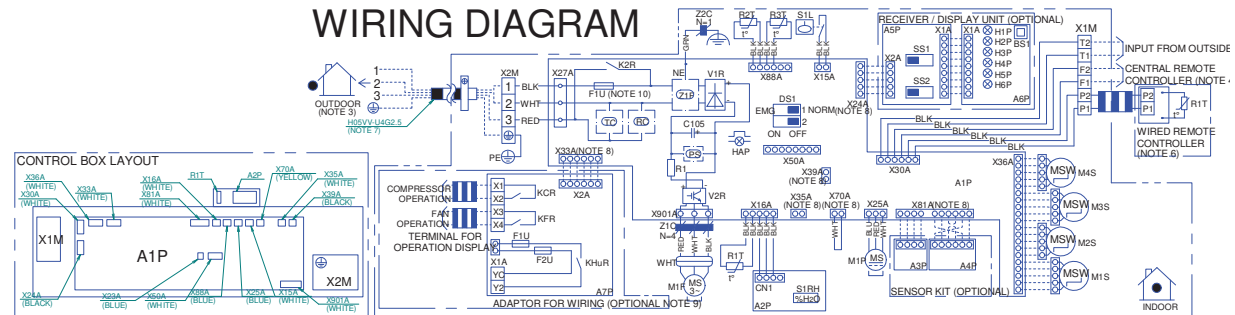


# 8 Wiring diagrams

## 8 - 1 Wiring Diagrams - Single Phase

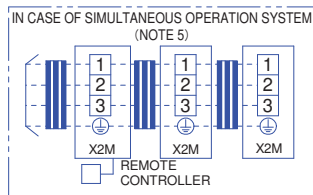
### FCAHG-H

## WIRING DIAGRAM



#### NOTES:

1. [Symbol]: TERMINAL BLOCK, [Symbol]: CONNECTOR, [Symbol]: FIELD WIRING
2. IN CASE OF SIMULTANEOUS OPERATION INDOOR UNIT SYSTEM, SEE THE INDOOR UNIT WIRING ONLY.
3. FOR DETAILS, SEE WIRING DIAGRAM ATTACHED TO THE OUTDOOR UNIT.
4. IN CASE OF USING CENTRAL REMOTE CONTROLLER, CONNECT IT TO THE UNIT IN ACCORDANCE WITH THE ATTACHED INSTALLATION MANUAL.
5. IN CASE OF SIMULTANEOUS OPERATION SYSTEM, CONNECTED QUANTITY OF THE INDOOR UNITS VARIES ACCORDING TO THE CONNECTED OUTDOOR UNIT.
6. IN CASE OF MAIN/SUB CHANGEOVER, SEE INSTALLATION MANUAL ATTACHED TO THE REMOTE CONTROLLER.
7. SHOWN ONLY IN CASE OF PROTECTION PIPING, USE H07RN-F IN CASE OF NO PROTECTION.
8. X24A, X33A, X35A, X39A, X70A, X81A ARE CONNECTED WHEN OPTIONAL ACCESSORIES ARE BEING USED, SEE WIRING DIAGRAM OF THIS ACCESSORY.
9. CONNECT POWER OF ADAPTER FOR WIRING TO TERMINAL BLOCK (X2M) OF INDOOR UNIT DIRECTLY.
10. FUSE F1U ON MAIN PCB (A1P) IS PRESENT ONLY IN FOLLOWING UNITS: FCAG 35, 50, 60, 71.



#### WIRE COLORS

BLK: BLACK RED: RED  
BLU: BLUE WHT: WHITE  
YLW: YELLOW GRN: GREEN  
BRN: BROWN PNK: PINK

INDOOR UNIT			
A1P	MAIN PCB	H2P	PILOT LAMP (TIMER: GREEN)
C105	CAPACITOR	H3P	PILOT LAMP (FILTER SIGN: RED)
DS1	DIP SWITCH ON PCB	H4P	PILOT LAMP (DEFROST: ORANGE)
F1U	FUSE (T, 3.15A 250V)	H5P	PILOT LAMP (ELEMENT CLEANING: RED)
HAP	FLASHING LAMP (SERVICE MONITOR: GREEN)	H6P	PILOT LAMP (TIMER: GREEN)
K2R	MAGNETIC RELAY	SS1	DIP SWITCH (MAIN / SUB)
M1P	MOTOR (DRAIN PUMP)	SS2	DIP SWITCH (WIRELESS ADDRESS SET)
M1F	MOTOR (INDOOR FAN)	ADAPTER FOR WIRING	
M1S-M4S	MOTOR (SWING BLADE)	A7P	ADAPTER PCB
R1	RESISTOR	F1U	FUSE (5A, 250V)
R1T	THERMISTOR (AIR)	F2U	FUSE (5A, 250V)
R2T, R3T	THERMISTOR (COIL)	K4R	MAGNETIC RELAY
S1L	FLOAT SWITCH (DRAIN PUMP)	KFR	MAGNETIC RELAY
V1R	DIODE BRIDGE	KFR	MAGNETIC RELAY
V2R	IGBT POWER MODULE	X1M	TERMINAL BLOCK (REMOTE CONTROLLER)
X1S-901A	CONNECTOR	X2M	TERMINAL BLOCK (POWER SUPPLY)
X1M	TERMINAL BLOCK (REMOTE CONTROLLER)	Z1C, Z2C	FERRITE CORE
X2M	TERMINAL BLOCK (POWER SUPPLY)	Z1F	NOISE FILTER
Z1C, Z2C	FERRITE CORE	PS	POWER SUPPLY CIRCUIT
Z1F	NOISE FILTER	RC	SIGNAL RECEIVER CIRCUIT
PS	POWER SUPPLY CIRCUIT	TC	SIGNAL TRANSMISSION CIRCUIT
RC	SIGNAL RECEIVER CIRCUIT	NE	NOISELESS EARTH
TC	SIGNAL TRANSMISSION CIRCUIT	SENSOR KIT	
NE	NOISELESS EARTH	A3P, A4P	SENSOR KIT PCB
SENSOR KIT		WIRELESS REMOTE CONTROLLER (RECEIVER / DISPLAY UNIT)	
WIRELESS REMOTE CONTROLLER (RECEIVER / DISPLAY UNIT)		R1T	THERMISTOR (AIR)
A3P	RECEIVER PCB	HUMIDITY SENSOR	
A4P	DISPLAY PCB	A2P	SENSOR PCB
BS1	PUSH BUTTON (ON/OFF)	STRH	HUMIDITY SENSOR
X1-2A	CONNECTOR	CN1	CONNECTOR
H1P	PILOT LAMP (ON: RED)		

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