

Job Name:

Schedule Reference:

Date:



- Dimensions: (H x W x D) 27.5 mm x 45.6 mm x 11 mm

## **SPECIFICATIONS:**

- Allows connection of North American Thermostat with Mitsubishi Electric ductless indoor units.
- One Thermostat Interface per indoor unit
- Indoor unit modes: Cool, Heat, Fan, Auto and Off
- Addressing: No addressing required
- Connection: CN105 - IT Terminal
- Thermostat: Single or Two stage conventional and Heat pump operation
- Terminal Block: Input signals 24 VAC Rated

## **REQUIREMENTS:**

- Compatible North American Thermostat 24 VAC output signals
- Thermostat can be set to Conventional or Heat pump mode for optimum operation

## **ADVANCED FEATURES:**

- Lower set point of 10 degrees C for indoor units that support lower setting
- Selectable Default 'G' Signal Fan Speed (*Low, Med, High*)
- Selectable Fan speeds during two stage operation
- Auto mode availability for ported systems
- Error output signal
- INVERTER operation settings:
  - Optimized conventional/heat pump simulated VRF operation (1H/1C)
  - Optimized conventional/heat pump two stage operation (2H/2C)
- Auto recovery after power failure

## **ACCESSORIES:**

- Transformer (VLP24-210) available from Mitsubishi Electric

Please note: MESCA supports auxiliary heater control via CN24 for residential products ONLY. Auxiliary heater control other than CN24 may effect or void manufacturer product warranty.\*

Notes:

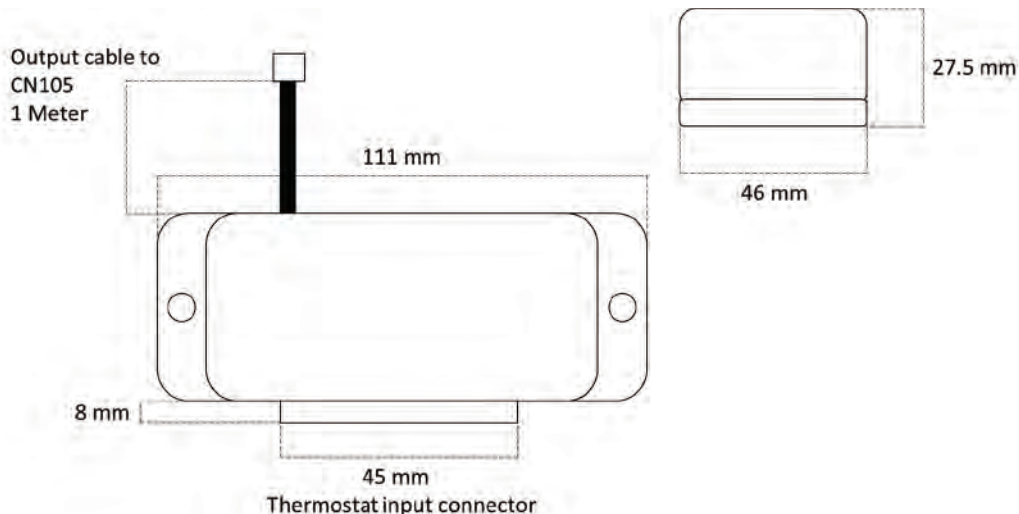
Specifications are subject to change without notice.

# RMF-CA200-V2:FEATURES

Feature	
Compatible Operation Modes (Thermostat)	Conventional, Heat Pump
Auxiliary Heater Control	NO - Use signal direct from Thermostat
Temperature Control	YES
Fan Control	Default AUTO adjustable via DIP switch setting
Vane Control	Default AUTO adjustable via DIP switch setting
Error Code	NO
Mode / Setting control	NO
Flame Retardant ABS Plastic Case	YES (UL rating 94V-0)
ROHS Compliant	YES

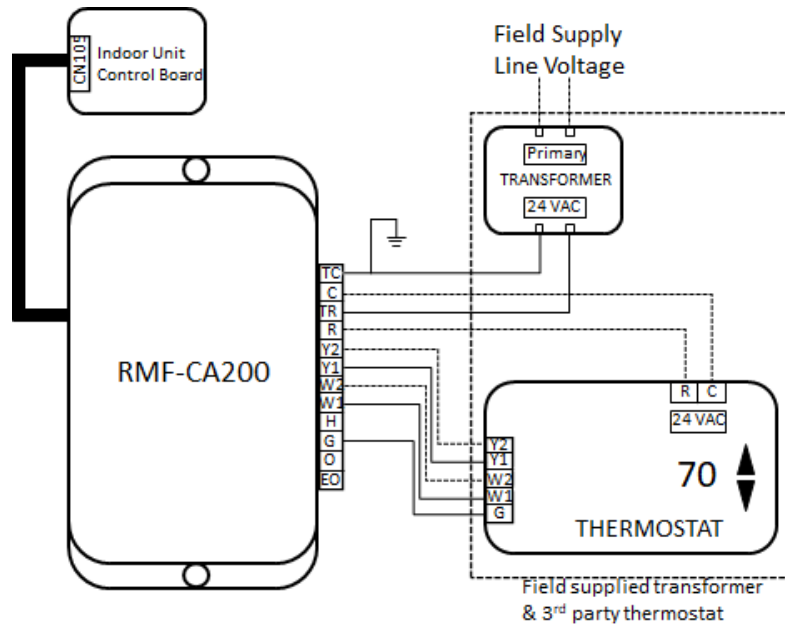
PIN	Function		Description		Signal Type
	Conventional	Heat Pump	Conventional	Heat Pump	
1	TC	TC	Common (IN) Transformer	Common (IN) Transformer	Common
2	C	C	Common (Out) To Thermostat	Common (Out) To Thermostat	Common
3	TR	TR	24 VAC (IN) Transformer	24 VAC (IN) Transformer	24Vac
4	R	R	24 VAC (IN) Thermostat	24 VAC (OUT) to Thermostat	24Vac
5	Y2	Y2	Stage 2 Cooling	Heat Pump Stage 2 Heat/Cool	Input, 24Vac
6	Y1	Y1	Stage 1 Cooling	Heat Pump Stage 1 Heat/Cool	Input, 24Vac
7	W2	W2	Stage 2 Heat	Not Available	Input, 24Vac
8	W1	OB	Stage 1 Heat	Heat pump Heat / Cool mode	Input, 24Vac
9	H	H	Not Available	Not Available	N/A
10	G	G	Fan	Fan	Input, 24Vac
11	O	O	Not Available	Not Available	N/A
12	EO	EO	Error Output (Out)	Error Output (Out)	Output 24Vac

## RMF-CA200-V2: OUTLINE



# RMF-CA200-V2: WIRING DIAGRAMS

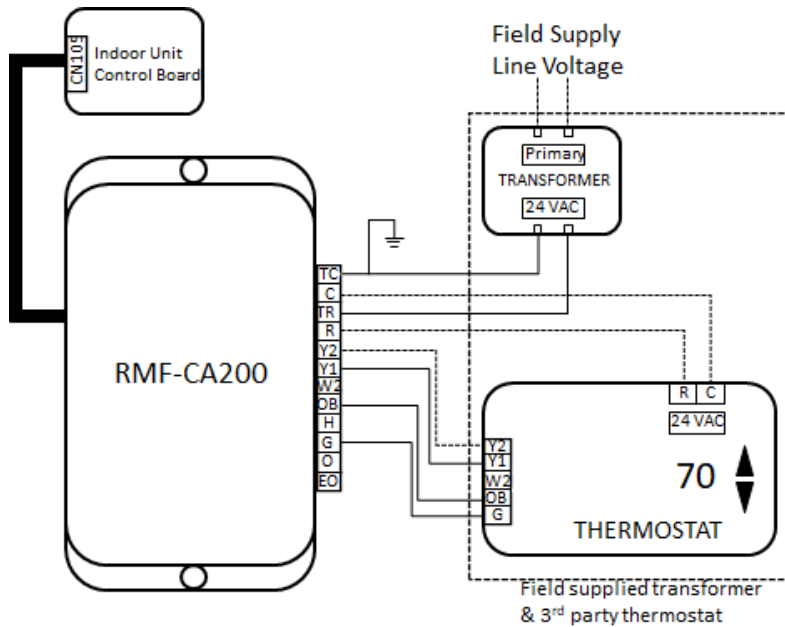
## Single/Two - Stage Conventional Mode



Thermostat Conventional Mode Connections		
Pin	Signal	Description
1	TC	Common (IN) Transformer
2	C	Common (Out) To Thermostat
3	TR	24 VAC (IN) Transformer
4	R	24 VAC (IN) Thermostat
5	Y2	Stage 2 Cooling
6	Y1	Stage 1 Cooling
7	W2	Stage 2 Heat
8	W1	Stage 1 Heat
9	H	Not Available
10	G	Fan
11	O	<b>DO NOT CONNECT TO INTERFACE</b>
12	EO	Error Output (Out)

In single stage operation Y2, W2 signals are not used

## Heat Pump Mode



Thermostat Heat Pump Mode Connections		
Pin	Signal	Description
1	TC	Common (IN) Transformer
2	C	Common (Out) To Thermostat
3	TR	24 VAC (IN) Transformer
4	R	24 VAC (OUT) to Thermostat
5	Y2	Heat Pump Stage 2 Heat/Cool
6	Y1	Heat Pump Stage 1 Heat/Cool
7	W2	N/A
8	OB	Heat pump Heat / Cool mode
9	H	Not Available
10	G	Fan
11	O	Not Available
12	EO	Error Output (Out)