

Job Name:

Schedule Reference:

Date:



SPECIFICATIONS:

- Allows connection of North American Thermostat with Mitsubishi Electric ducted Air Handlers.
- One Thermostat Interface per indoor unit
- Indoor unit modes: Cool, Heat, Fan, and Off
- Addressing: No addressing required
- Connection: CN105 - IT Terminal
- LCD Display
- Function settings (Mode Settings)
- Time display
- Error Display
- Error history stores 10 time stamped errors
- Test mode operation
- Fan speed selection during Heating/Cooling using G1, G2, G3 (*Low, Med, High*)
- Thermostat: Single or Two stage support for conventional mode only
- Display thermostat input signals on LCD for easy troubleshooting
- Dimensions: (H x W x D) 4.80 in x 3.70 in x 1.50 in
- Terminal Block: Input signals 24 VAC Rated

TERMINALS:

Connector	Purpose	Purpose
TC	Common (In)	To Transformer
C	Common (Out)	To Thermostat
TR	24VAC (In)	To Transformer
R	24VAC (Out)	To Thermostat
G3	Fan High	High Fan Speed
G2	Fan Medium	Medium Fan Speed
G1	Fan Low	Low Fan Speed
Y2	Y2	Stage 2 Cooling
Y1	Y1	Stage 1 Cooling
W2	W2	Stage 2 Heating
W1	W1	Stage 1 Heating
G	G	Fan
ER	Error	Error Output

- Thermostat has to be set to Conventional mode for optimum operation

REQUIREMENTS:

- 24 VAC style thermostat or other BMS (Building Management System)
- 24 VAC Transformer
-VPL24-210 available from Mitsubishi Electric

ADVANCED FEATURES:

- Lower set point of 10 degrees C in heating mode for indoor units that support lower setting
- Selectable Default 'G' Signal Fan Speed (*Low, Med, High*)
- Adjustable Static Pressure Settings
- Selectable Fan & CN24 operation during Defrost
- INVERTER operation settings:
 - Optimized conventional single stage operation (1H/1C)
 - Optimized conventional two stage operation (2H/2C)
- Simulated VRF capacity increase time-delay
- Auto recovery after power failure

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

Notes:

Specifications are subject to change without notice.

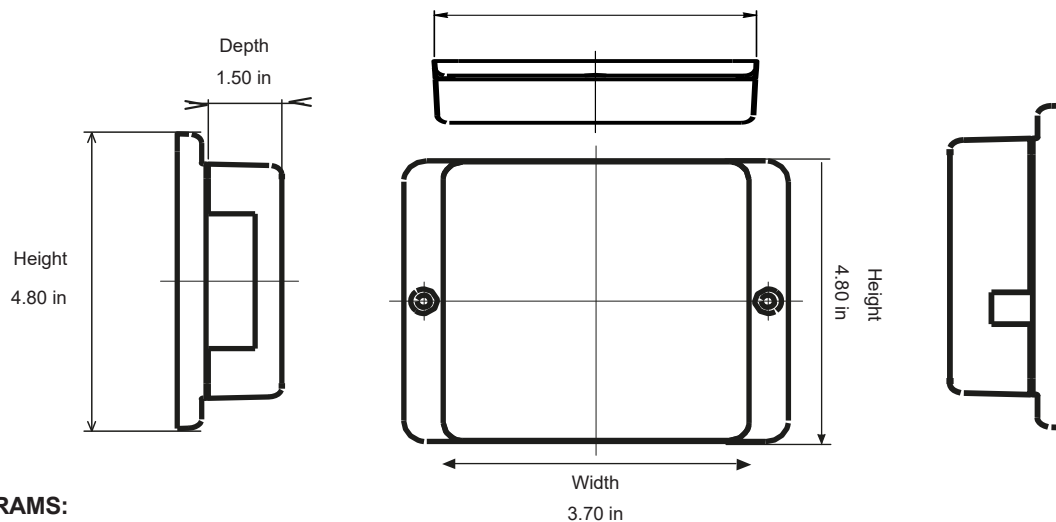
RMF-CA100-V1 :COMPATIBILITY CHART

RMF-CA100-V1 (Thermostat Interface) must order separately

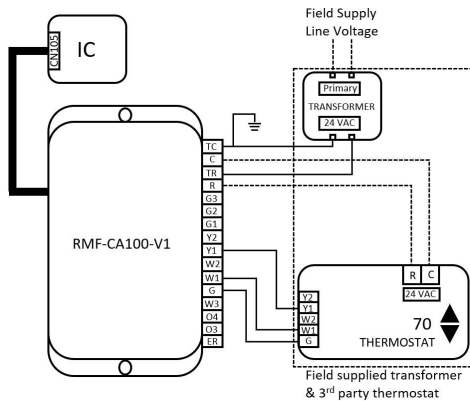
M-Series	P-Series
SVZ-KP	PVA-A
SEZ-KD	PEAD-A

City Multi
PEFY-P
PVFY-P

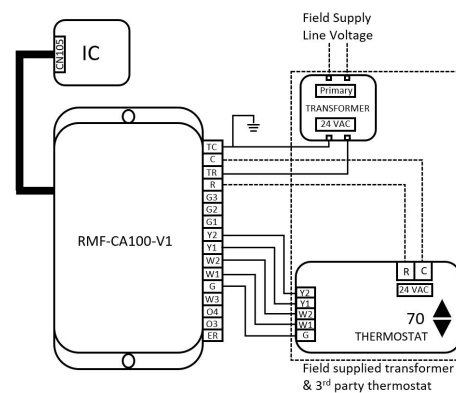
RMF-CA100-V1: DIMENSIONS AND WIRING DIAGRAMS



WIRING DIAGRAMS:



Single stage operation of the **RMF-CA100-V1** simulates multiple stage operation using temperature differential based on W1 / Y1 call and run time.



RMF-CA100-V1 operates in dual stage heat / cool mode using thermostat signals W1, W2, Y1, Y2, and fan signal (G). G1, G2 and G3 are available but not required.