MITSUBISHI ELECTRIC
Heating and Cooling

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HOWit WORKS

Procon RetailMini   PAC-US444CN-1   RMF-CA100-V1   Procon MELCOBEMS Mini

*RMF-CA200-V1 Image not available at this time

Control Interface Comparison and Application Overview

Mitsubishi Electric Sales Canada is proud to offer 5 different control interface solutions for residential applications. The RMF-CA100-V1 and RMF-CA200-V1 products are designed and built by Mitsubishi Electric Sales Canada specifically for the Canadian market. The RMF-CA100-V1 has been designed specifically for SEZ, PEAD, SVZ and PVA ducted air handling units. The RMF-CA200-V1 has been designed to interface North American thermostats with Mitsubishi Electric wall mounted ductless units. These interfaces are designed to ensure improved defrost operation while receiving commands from North American thermostats. The RMF-CA100-V1 and RMF-CA200-V1 work with Honeywell ®, ECOBEE ®, NEST ® and other brands of North American thermostats. A 24VAC transformer (VLP24-210 recommended) is required for North American thermostats.

Procon Retail Mini Supports Modbus protocol RS485 interface and inputs (switch selectable voltage or resistance) to interface with BMS systems. Procon Melco BEMS Mini supports BACnet MSTP (RS-485) and MODBUS RTU (RS-485).

Please see the table below for a comparative overview of product features:

	Product Category	Conventional / Heat Pump Operating modes	Single / Dual-Stage Operation	Error Output	M-Net	BACNet MSTP	BMS	MODBUS RS485
RMF-CA100-V1	Ducted / AHU	Conventional Only	✓	✓				
RMF-CA200-V1	Ductless	✓	✓	✓				
PAC-US444CN-1	Ducted / Ductless	Conventional Only	✓					
Procon Retail Mini	Ducted / Ductless	N/A		✓			✓	✓
Procon Melco BEMS Mini	Ducted / Ductless	N/A				✓		✓

Product Connector Comparison Table

			RMF-CA100		PAC-US444		RMF-CA200	
Connector	**Purpose**	**Description**	**Pin**	**RMF-CA100**	**PIN**	**PAC-US444**	**PIN**	**RMF-CA200**
TC	Common (In)	To Transformer	1	*	1	*	1	*
C	Common (Out)	To Thermostat	2	*	2	*	2	*
TR	24VAC (In)	To Transformer	3	*	3	*	3	*
R	24VAC (Out)	To Thermostat	4	*	4	*	4	*
G3	Fan High	High Fan Speed	5	*	5	*	N/A	N/A
G2	Fan Medium	Medium Fan Speed	6	*	6	*	N/A	N/A
G1	Fan Low	Low Fan Speed	7	*	7	*	N/A	N/A
Y2	Y2	Stage 2 Cooling	8	*	8	*	5	*
Y1	Y1	Stage 1 Cooling	9	*	9	*	6	*
W2	W2	Stage 2 Heating	10	*	10	*	7	*
W1	W1	Stage 1 Heating	11	*	11	*	8	*
G	G	Fan	12	*	12	*	9	*
W3	W3	Stage 3 Heating	13	N/A	N/A	N/A	10	*
O	O	Out (Heat Pump)	14	N/A	N/A	N/A	11	*
-	Unused	N/A	15	N/A	N/A	N/A	N/A	N/A
ER	Error	Error Output	16	*	N/A	N/A	12	*