

# PAC-IF082B-E

Ecodan Controller  
FTC7 Standalone Controller

# R290

## Key Features:

- Smart grid ready
- Step by step installation wizard
- Built-in quiet mode interface
- Smart device ready (MELCloud)
- Advanced maintenance

## Key Benefits:

- Store solar energy and benefit from agile tariffs
- Quick and easy system setup
- Simple time scheduling and level selection
- Connect your heating to your smart home
- Remote control, monitoring, maintenance and technical support



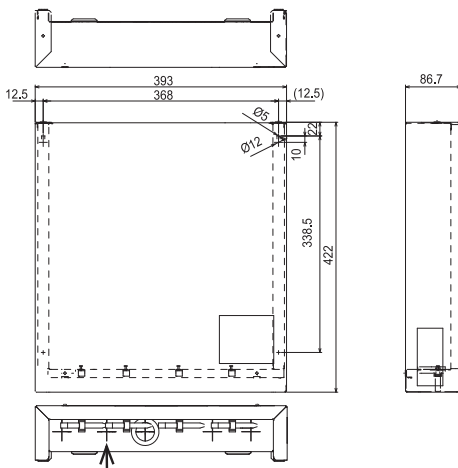
**ecodan**<sup>®</sup>  
Renewable Heating Technology

This controller is specifically designed to integrate within consumer homes and connect Mitsubishi Electric Ecodan Heat pumps with third party Domestic Hot Water tank and benefit from all MELCloud services.

COMPATIBILITY MATRIX	FTC7 - PAC-IF082B-E
QUHZ-W40VA	
PUZ-WM50VHA(-BS)	
PUZ-WM60VAA(-BS)	
PUZ-WM85(V/Y)AA(-BS)	
PUZ-WM112(V/Y)AA(-BS)	
PUZ-WM140(V/Y)AA(-BS)	
PUZ-WZ50VAA(-BS)	●
PUZ-WZ60VAA(-BS)	●
PUZ-WZ80VAA(-BS)	●

INSTALLATION INFORMATION		
FTC (MAIN) POWER SUPPLY	~N 230 V 50 Hz	
FTC (MAIN) INPUT CAPACITY MAIN SWITCH (BREAKER) *1	16 A	
WIRING WIRING NO. x SIZE (mm <sup>2</sup> )	FTC (MAIN) POWER SUPPLY	2 x Min. 1.5
	FTC (MAIN) POWER SUPPLY EARTH	1 x Min. 1.5
	FTC (MAIN) - OUTDOOR UNIT*2	2 x Min. 1.5
	FTC (MAIN) - OUTDOOR UNIT EARTH	-

**DIMENSIONS**



Electrical wires openings (x5). When the unit is installed these are facing down.

WEIGHT	
PAC-IF08(1)B-E	3.9kg
PAC-IF08(2-3)B-E	4.2kg
ALLOWABLE AMBIENT TEMPERATURE	0 to 35°C
ALLOWABLE AMBIENT HUMIDITY	80% RH or less

OUTPUTS	ITEM
OUT1	Water circulation pump 1 output (Space heating and DHW)
OUT2	Water circulation pump 2 output (Space heating for Zone 1)
OUT3	Water circulation pump 3 output (Space heating for Zone 2)*1 & 2-way valve 2b output*2
OUT4	3-way valve (2-way valve 1) output
OUT5	Mixing valve output*1
OUT6	Booster heater 1 output
OUT7	Booster heater 2 output
OUT8	Cooling signal output
OUT9	Immersion heater output
OUT10	Boiler output
OUT11	Error output
OUT12	Defrost output
OUT13	2-way valve 2a output*2
OUT14	Water circulation pump 4 output (DHW)
OUT15	Comp ON signal
OUT16	Heating thermo ON signal
OUT18	Zone 1 mixing valve output*1
OUTA1	Analog output
BC	Booster heater protection output
BHT	Thermostat for booster heater

Notes: \*1 For 2-zone temperature control. \*2 For 2-zone valve ON/OFF control.

INPUTS	ITEM
IN1	Room thermostat 1 input*1
IN2	Flow switch 1 input
IN3	Flow switch 2 input (Zone 1)
IN4	Demand control input
IN5	Outdoor thermostat 2 input*2
IN6	Room thermostat 2 input*1
IN7	Flow switch 3 input (Zone 2)
IN8	Electric energy meter 1
IN9	Electric energy meter 2
IN10	Heat meter
IN11	Smart Grid Ready Input
INA1	Flow sensor input

Notes:  
\*1. Set the ON/OFF cycle time of the room thermostat to 10 minutes or more; excessive cycling can potentially reduce the lifetime of the compressor.  
\*2. If using outdoor thermostat for controlling operation of heaters, the lifetime of the heaters and related parts may be reduced.



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Note: Refer to 'Installation Manual' and 'Instruction Book' for further 'Technical Information'. The fuse rating is for guidance only and please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R290 (GWP:3), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP:4). \*These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP:550), R407C (GWP:1650) or R134a (GWP:1300).

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