

PAC-IF013B-E R32

Air Handling Unit Controller

Mr. SLIM™

The Air Handling Unit Controller can interface Mitsubishi Electric Mr Slim outdoor units to third party air handling units.

Up to six Mr Slim outdoor units can be used on a single air handling unit providing a wide range of heating and cooling capacities.

R32

Key Features & Benefits:

- Simpler installation with Mr Slim being a single source of heating and cooling BEMS external monitoring and control can be achieved through direct Modbus, digital switches or analogue input
- Intelligent Multiple Outdoor Unit Control (IMOU) of up to six Mr Slim outdoor units when operated in external manual control, this can include two different capacities or a series of Mr Slim outdoor units
- Anti-cycling measures incorporated into the design to extend the life of the outdoor units
- Capacity control of up to 11 individual steps ensures high comfort levels
- SD card installed to record history and facilitate software upgrades
- Maximum airflow of up to 5 x standard Mr Slim specification
- Complete AHU systems incorporating this pre-installed controller are also available

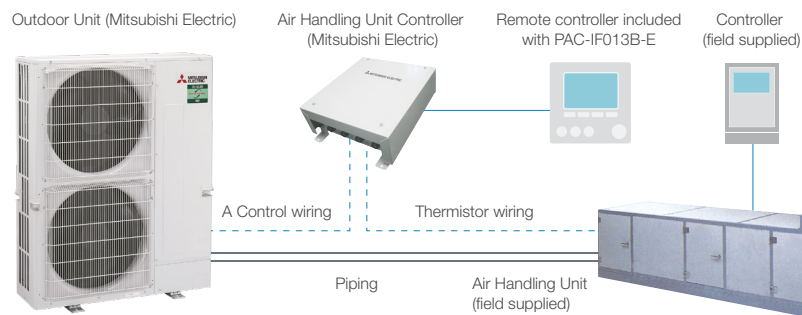




CONTROLLER		PAC-IF013B-E
DIMENSIONS (mm)	Width x Depth x Height	336 x 69 x 278
WEIGHT (kg)		2.5
CONTROL OPTIONS	Automatic	Remote Controller Set
	Manual Input	Modbus
		0-10V
		1-5V
		4-20mA
		0-10kΩ

OUTDOOR UNIT(S)		PUZ-ZM 35VKA2	PUZ-ZM 50VKA2	PUZ-ZM 60VHA2	PUZ-ZM 71VHA2	PUZ-ZM 100VDA/ YDA	PUZ-ZM 125VDA/ YDA	PUZ-ZM 140VDA/ YDA	PUZ-ZM 200YKA2	PUZ-ZM 250YKA2	PUZ-M 200YKA2	PUZ-M 250YKA2
CAPACITY (kW)	Heating (nominal)	4.1	6.0	7.0	8.0	11.2	14.0	16.0	22.4	27.0	22.4	27.0
	Cooling (nominal)	3.5	5.0	6.0	7.1	10.0	12.5	14.0	20.0	25.0	20.0	25.0
WEIGHT (kg)		46	46	67	67	107 / 114	107 / 116	107 / 121	137	138	129	138
DIMENSIONS (mm)	Width x Depth x Height	809 x 300 x 630	809 x 300 x 630	950 x 330+25 x 943	950 x 330+25 x 943	1110 x 460+45 x 870	1110 x 460+45 x 870	1110 x 460+45 x 870	1050 x 330+40 x 1338	1050 x 330+40 x 1338	1050 x 330+40 x 1338	1050 x 330+40 x 1338
SOUND PRESSURE LEVEL (dBA)	Heating / Cooling	46 / 44	46 / 44	49 / 47	49 / 47	48 / 44	50 / 47	51 / 49	62 / 59	62 / 59	60 / 58	62 / 59
PIPE SIZE (mm) (in)	Gas	12.7 (1/2")	12.7 (1/2")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	28.58 (1 1/8")	28.58 (1 1/8")	28.58 (1 1/8")	28.58 (1 1/8")
	Liquid	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	9.52 (3/8")	12.7 (1/2")
HEAT EXCHANGER REQUIREMENTS	Max Volume (dm ³)	>30m pipe run	1.05	1.50	1.80	2.13	3.00	3.75	4.20	6.00	7.50	6.00
		20m pipe run	1.35	1.80	2.70	3.03	3.90	4.65	5.10	7.80	9.30	7.80
		10m pipe run	1.65	2.10	3.60	3.93	4.80	5.55	6.00	9.60	11.10	9.60
	Min Volume (dm ³)		0.35	0.50	0.60	0.71	1.00	1.25	1.40	2.00	2.50	2.00
	Header Diameter (mm)	Max	5/8"	5/8"	5/8"	5/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
	Design		4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15
	Burst		> 12.45	> 12.45	> 12.45	> 12.45	> 12.45	> 12.45	> 12.45	> 12.45	> 12.45	> 12.45
	Pressure (MPa)											

Notes: One air handling unit controller is required per outdoor unit. Cooling: Indoor 27°C DB/19°C WB, Outdoor 35°C DB/24°C WB. Heating: Indoor 20°C DB, Outdoor 7°C DB/6°C WB.

EXAMPLE:**Notes:**

One air handling unit controller is required per heat exchanger. If using more than one air handling unit controller on a single AHU, there are two options:

1. Connect 1 x PAC-IF013B-E unit per heat exchanger - these will operate as separate circuits with a controller on each which is included.
2. Connect 1 x PAC-IF013B-E for the first heat exchanger, then up to 5 additional slave PAC-SIF013B-E units. The included controller with the PAC-IF013B-E will additionally control the slave units

For further information of this feature please consult your local sales office.

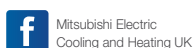
PAC-IF013B-E DIMENSIONS

For product dimensions please visit:

https://library.mitsubishielectric.co.uk/pdf/book/2025_LES_Product_Catalogue#page-89



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Note: 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), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R515B (GWP:292), R454C (GWP:148), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a hydrocarbon, R290 (GWP:0.02). *These GWP values are based on IPCC 6th edition.

Effective as of April 2025

