

Mobile metering, monitoring and control of Mitsubishi Electric Ecodan systems

All Ecodan Flow Temperature Control 5 (FTC5) systems come with free energy monitoring as standard. System users are able to measure both consumed electrical energy and produced heat energy to the nearest kWh.

In addition to the basic system functionality features, i.e. hot water and heating status, with FTC5 the systems energy performance can also now be viewed. Historic energy consumption, heat production and run cost reports are available via the main controller, SD card or MELCloud. Full remote control of system features, such as hot water and heating functions, frost protection, holiday mode and the 7 day schedule are also available from anywhere in the world via MELCloud.



Air Conditioning | Heating
Ventilation | Controls



ecodan[®]
Renewable Heating Technology

Energy Monitoring Packs

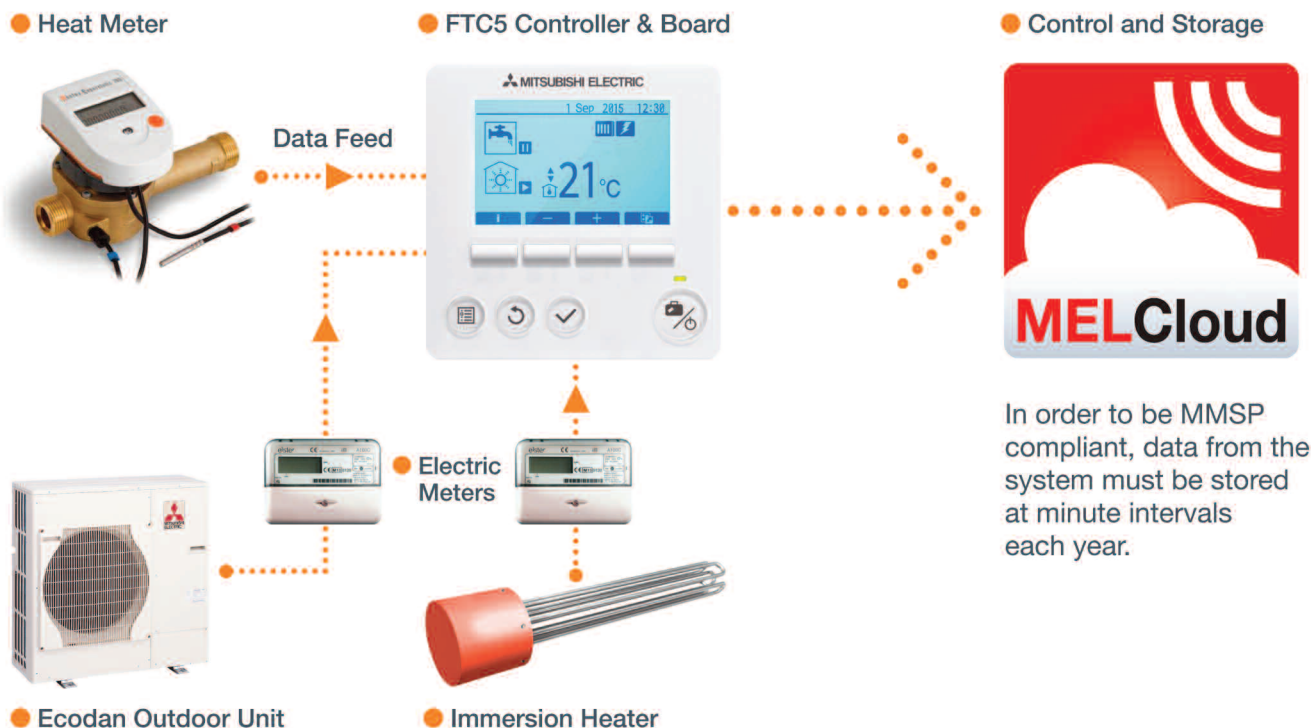
Mitsubishi Electric have developed Energy Monitoring Packs to suit every domestic application, from hybrid through to full **Metering and Monitoring Service Packs**, we have a pack to suit. Together with MELCloud we offer market leading metering, monitoring and control.

	Pack Code	Contents	Resolution / Application
Energy Monitoring Pack One	EMP1	Free inbuilt energy monitoring	Calculated estimate of nearest kilowatt hour (kWh). This pack is ideal for end user guidance.
Energy Monitoring Pack Two	EMP2	2 x Measuring Instrument Directive (MID) approved electric meters	Records and measures to 1 pulse per watt hour (Wh) ensuring accurate energy consumption figures. This pack is ideal for users wanting exact energy consumption, e.g. Housing Associations.
Energy Monitoring Pack Three - Monobloc	EMP3-M	2 x MID approved electric meters. 1 x MID approved heat meter	Records and measures to 1 pulse per watt hour (Wh) for both electricity consumed and heat produced.
Energy Monitoring Pack Three - Split (Hydrobox only)	EMP3-S	2 x MID approved electric meters. 1 x MID approved heat meter	Records and measures to 1 pulse per watt hour (Wh) for both electricity consumed and heat produced.
Energy Monitoring Pack - Hybrid-Monobloc	EMPH-M	1 x MID approved heat meter	Records and measures to 1 pulse per kilowatt hour (kWh).
Energy Monitoring Pack - Hybrid-Split (Hydrobox only)	EMPH-S	1 x MID approved heat meter	Records and measures to 1 pulse per kilowatt hour (kWh).

Energy Monitoring Packs Summary

Included	EMP1	EMP2	EMP3-M	EMP3-S	EMPH-M	EMPH-S
User display of consumed / produced energy	Yes	Yes	Yes	Yes	Yes	Yes
2 x Electric Meters	No	Yes	Yes	Yes	No	No
Heat Meter - 1 pulse per Wh	No	No	Yes	Yes	No	No
Heat Meter - 1 pulse per kWh	No	No	No	No	Yes	Yes
Wi-Fi Interface	No	Optional	Yes	Yes	Optional	Optional
MMSP compliant	No	No	Yes	Yes	No	No

Making a
World of
Difference



Introducing MELCloud for Ecodan

MELCloud

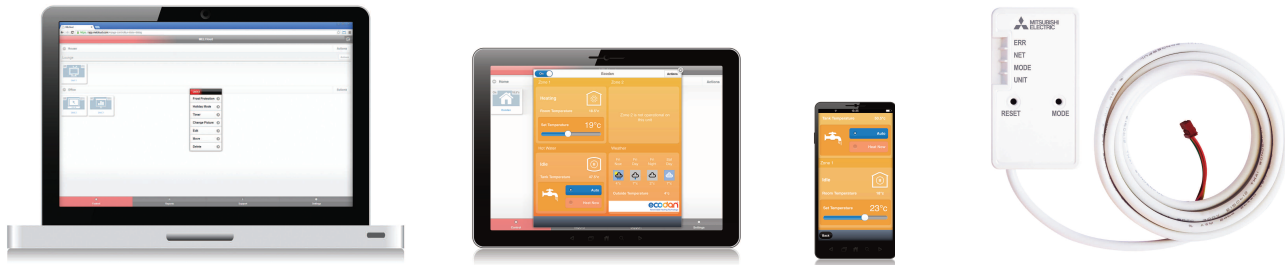
MELCloud is a Cloud based solution for controlling your Mitsubishi Electric Ecodan heating system either locally or remotely by PC, Mac, Tablet or Smartphone via the Internet.

Key Features

- View electrical energy consumed and heat energy produced
- View and control your heating and hot water from anywhere in the world
- Holiday mode
- Set up of 7 day weekly schedule
- Temperature history reports
- Operation mode reports
- Live weather feed at location of Ecodan
- Compatible with Apple, Android, Windows and Blackberry operating systems
- Works on any PC / Mac / Tablet / Smartphone
- Share / restrict access and control of the Ecodan system



MELCloud Wi-Fi Interface



Supported Ecodan Models

All Ecodan FTC5 systems have energy monitoring functionality and the ability to connect to MELCloud. A MAC-567IF Wi-Fi Interface is required to use MELCloud.

MAC-567IF Wi-Fi Interface	
DESCRIPTION	Wi-Fi Interface
CONNECT TO	Indoor Unit
MAX NUMBER OF UNITS	1
COMPATIBILITY	Ecodan FTC5
POWER SUPPLY	From indoor unit
DIMENSIONS (WxDxH) mm	79 x 18.5 x 44
CONTROL	On/Off
	Mode
	Heating Setpoint
	Hot Water Boost
	2-Zone Control
	Holiday Mode
	Timer
	Frost Protection
MONITOR	On/Off
	Mode
	Heating Setpoint
	Tank Temperature
	Tank Target Temperature
	Outside Temperature
	Fault Codes
	Consumed Electrical Energy
	Produced Heat Energy

Supported Hardware / Software

Tablets (Apps or WebClient)

Apple iPad / iPad mini
Samsung Galaxy Tab / Note
Google Nexus
Dell Latitude 10
Microsoft Surface
BlackBerry PlayBook

Smartphones (Apps or WebClient)

Apple iPhone
Samsung Galaxy S
Google Nexus
Nokia Lumia
BlackBerry Z10

Operating Systems

Android
Apple iOS / OS
Microsoft Windows
BlackBerry

Internet Browsers (WebClient only)

Microsoft Internet Explorer
Google Chrome
Apple Safari
Mozilla Firefox
Opera

Please Note:

This is not definitive list of all compatible devices, other similar devices which use supported Operating Systems or Internet Browsers should also work either via dedicated Apps or via Web Browser / WebClient options. Please note that user experience may vary slightly depending on hardware and software combination.



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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), 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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Mitsubishi Electric UK's commitment to the environment

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Effective as of August 2017