

MAIN REMOTE CONTROLLER

FTC6 Board 230V|SP+N|50Hz

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Outdoor Unit XXXV|XP+N|50Hz

Outdoor Unit XXXV|XP+N|50Hz

FTC6 Board 230V|SP+N|50Hz

FTC6 BOARD PAC-IF072B-E

FTC6 BOARD PAC-IF072B-E

FTC6 BOARD PAC-IF072B-E

PUZ ASHP (-BS)

PUZ ASHP (-BS)

PUZ ASHP (-BS)

TF1 FILTER

TF1 FILTER

TF1 FILTER

FLOW SETTER

FLOW SETTER

FLOW SETTER

FS1 FLOW SENSOR

FS2 FLOW SENSOR

AAV

EXPANSION VESSEL (LOCAL SUPPLY)

Zone 1 Heating Flow RADS/UFH/FC

Zone 1 Heating Return

HEADER/BUFFER VESSEL SIZE DEPENDANT ON APPLICATION

Control*: Wired to System Master Board 1*

WIRELESS TRANSMITTER RADS/FC (OPTION)

ROOM THERMOSTAT/UFH WIRING CENTRE (LOCAL SUPPLY)

OR

WR WIRELESS RECEIVER (OPTION)

CNRF // SW1-8 ON

ADVANCE AUTO ADAPTATION // SW5-2 ON

Zone 1: IN1 TBI.1 7-8 (2 core Volt Free) // SW2-1 ON

Communication Connections

MAIN REMOTE CONTROLLER

TBI.6 / 1*

TBI.6 / 2*

TBI.6 / 3*

Max. 10m

Max. 500m

Max. 10m

NOTES

- After removing the air, automatic air vent(s) must be closed.
- The Ecodan outdoor unit must be installed on anti-vibration mounts. Rubber mounting blocks are recommended.
- Adequate provision should be made to prevent condensate from collecting around the outdoor units. A soak away or drip tray can be used.
- Flexible hoses shall be used to connect the Ecodan unit to the primary pipe work.
- A flow sensor PAC-FS01-E is required to be installed in the return pipe work to each unit. Flow setters are optional and they have the ability to change the flow rates if needed.
- Adequate filtration must be used on the return pipework to each Ecodan outdoor unit. This can be either; Magnetic filter (TF1 supplied by MEUK) or strainer with air dirt separator.
- It is the responsibility of the installing contractor to provide adequate protection against freezing of pipe work. MEUK recommend 25% glycol dosage of the primary circuit. If the water circuit freezes and damages the equipment the warranty will become void.
- All water systems should be designed, installed and commissioned in accordance with industry good practice guidelines; such as, but not limited to: BSRIA Guide BG2/2010 - Water System Commissioning, BSRIA Guide BG29/2011 - Pre-Commissioning of Pipework Systems, BSRIA Guide BG50/2013 - Water Treatment for Closed Heating & Cooling Systems, CIBSE Commissioning Code W - Water distribution systems.
- Isolation valves and flushing bypass circuit are recommended for the outdoor unit. This is best practice and not required for warranty purposes.
- The contractor should make the necessary arrangements to ensure the design of the system meet the requirement of the application and where possible follow industry guidelines and best practice.
- This schematic must be used in conjunction with the corresponding technical submission document issued by Mitsubishi Electric.

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All dimensions are in mm unless otherwise stated


For information only, DO NOT SCALE drawing


All works shall be carried out in accordance with the Specification


Contractor must verify all dimensions on site before commencing any work or shop drawings


LEGEND


 AAV AUTOMATIC AIR VENT
(After removing the air, automatic air vent(s) must be closed)


 IV ISOLATING VALVE


 DOC DRAIN OFF COCK


 NRV NON RETURN VALVE


 PRV/SV PRESSURE RELIEF VALVE/SAFETY VALVE


 STR STRAINER


 FC FLEXIBLE CONNECTION


 PRV PRESSURE REDUCING VALVE


 P PUMP


 T TEMPERATURE SENSOR

 TF1 FILTER/STRAINER

 FS FLOW SENSOR

 BFPD BACK FLOW PREVENTION DEVICE
(if fitted)

 TPRV/SV TEMPERATURE PRESSURE RELIEF VALVE/SAFETY VALVE

 FLOW SETTER


HYDRAULIC COMPONENTS SUPPLIED BY MEUK:

FLEXIBLE PIPES
FLOW SENSOR

OPTIONAL HYDRAULIC COMPONENTS SUPPLIED BY MEUK:

TF1 FILTER
FLOW SETTER

REV	DESCRIPTION	DESN	CHKD	DATE



CLIENT

PROJECT
PUZ-OUTDOOR UNITS
STANDARD SCHEMATIC ECODAN CASCADE

TITLE
MECHANICAL SERVICES
MITSUBISHI 2X FTC6 ECODAN UNITS
TO LOW LOSS HEADER/BUFFER VESSEL
1 HEATING ZONE

SCALE	ORIGINAL SIZE	DATE
NTS	A0	JANUARY 2021

DRAWN	DESIGNED	INIT	CHECKED	INIT
D. CASADO	D. CASADO		R. TAYLOR	

DRAWING NUMBER	REVISION
MEU-UK/FTC6/WMXXX/1Z	1