

CONTROLS

FOR RESIDENTIAL & LIGHT COMMERCIAL MONOSPLIT/MULTISPLIT R32

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STANDARD INDIVIDUAL CONTROLS **R32**

INFRARED REMOTE CONTROL



Action Remote control included

MONOSPLIT/MULTISPLIT **R32**

FEATURES

- Temperature setting & display.
- Clock.
- 7 fan speed levels.
- ON/OFF Timer.
- Air distribution with automatic vertical flaps' swinging.
- Autorestart: restart after blackout with restoration of the previous state.

FUNCTIONS

- I-Feel: optimal control of the room temperature based on the temperature detected by the sensor built into the remote control.
- Sleep: automatic control of room temperature during night hours (3 functions).
- X-fan: allows you to dry the evaporator to avoid the formation of mold and bacteria (Airpro Plus).
- Turbo: rapid reaching of room temperature.
- Light: activation/deactivation of display brightness (Airpro Plus).
- Quiet: Silent mode
- Energy saving (Airpro Plus).
- WiFi.
- Cold Plasma: ionizer.

MODES

- Heating.
- Dehumidification.
- Automatic.
- Cooling.
- Ventilation.



Airpro Plus Remote control included

MULTISPLIT **R32**



Remote control included

MULTISPLIT **R32**
8-way compact cassette

LIGHT COMMERCIAL **R32**
8-way compact cassette (up to 3.50 kW)
8-way big cassette floor/ceiling (up to 7.10 kW)

FEATURES

- Clock.
- ON/OFF Timer.
- 4 fan speed levels + Turbo function.
- Air distribution with automatic vertical and/or horizontal flaps' swinging.
- Setting the room temperature and displaying the indoor and outdoor temperature.

FUNCTIONS

- I-Feel.
- Sleep.
- Energy saving (cooling).
- Absence (heating).
- Key lock.
- X-fan: only cooling and dehumidifying.
- Light: enables/disables display lighting.

MODES

- Heating.
- Cooling.
- Dehumidification.
- Ventilation.
- Automatic.

STANDARD INDIVIDUAL CONTROLS R32

INFRARED REMOTE CONTROL



Remote control included
MULTISPLIT R32
1-way cassette ceiling

FEATURES

- Temperature setting & display.
- Clock.
- ON/OFF Timer.
- 4 fan speed levels: auto, low, medium or high.
- 6 fan speed levels with console remote control: auto, low, medium-low, medium, medium-high or high.
- Air distribution with automatic vertical flaps' swinging.
- Autorestart: restart after blackout with restoration of the previous state.

FUNCTIONS

- I-Feel: optimal control of the room temperature based on the temperature detected by the sensor built into the remote control.
- Sleep: automatic control of room temperature during night hours.
- X-fan: only in cooling and dehumidification.
- Turbo: the unit operates at very high speed to quickly reach the cooling or heating temperature.
- Light: display brightness on/off.
- Quiet: Silent mode.
- Energy saving.
- Key lock.



Remote control included
MONOSPLIT R32
console

MODES

- Heating.
- Cooling.
- Dehumidification.
- Ventilation.
- Automatic.



Remote control included
LIGHT COMMERCIAL R32
8-way big cassette floor/ceiling (from 10 to 16 kW)

FEATURES

- Temperature setting & display.
- Clock.
- ON/OFF Timer.
- 4 fan speed levels: auto, low, medium or high.
- Dehumidification.
- Ventilation.
- Automatic.

FUNCTIONS

- Follow me: adjusts the room temperature according to that detected by the remote control to obtain maximum comfort.
- Sleep: automatic control of room temperature during night hours.
- Self Clean: allows the evaporator to dry to avoid the formation of mold and bacteria.
- Turbo: the unit operates at very high speed to quickly reach the cooling or heating temperature.
- Led: brightness adjustment.
- Breeze Away: in cooling, ventilation and dehumidification mode, it allows you to avoid a direct air flow.

STANDARD INDIVIDUAL CONTROLS R32

WIRED CONTROL



Wired control

STANDARD (included) for the models
LIGHT COMMERCIAL R32
ducted
(up to 7.10 kW)

FEATURES

- Temperature setting & display.
- ON/OFF Timer.
- 5 fan levels + auto.

FUNCTIONS

- Sleep: automatic control of room temperature during night hours.
- Turbo: the unit operates at very high speed to quickly reach the cooling or heating temperature.
- X-fan: after the unit has been turned off, it allows the evaporator to dry to prevent the formation of mold and bacteria.
- Key lock.

MODES

- Heating.
- Cooling.
- Dehumidification.
- Ventilation.
- Automatic.

WIRED CONTROL



DMW-W2-ZA

STANDARD (included) for the models
LIGHT COMMERCIAL R32
ducted
(from 10 to 16 kW)

FEATURES

- LCD Display.
- Error codes display.
- Room temperature display.
- Weekly Timer.

FUNCTIONS

- Follow me.
- Turbo: the unit operates at very high speed to quickly reach the cooling or heating temperature.
- Auto Restart.
- ON/OFF Timer.
- Weekly Timer.

MODES

- Heating.
- Cooling.
- Dehumidification.
- Ventilation.
- Automatic.

INDIVIDUAL CONTROLS R32

WIRED CONTROL WITH BUILT-IN WI-FI MODULE



DMW-ZA1-WiFi

Optional for the models
LIGHT COMMERCIAL R32
8-way compact cassette

Up to 7.10 kW:
8-way big cassette
floor/ceiling,
ducted

CARATTERISTICHE

- > Impostazione e visualizzazione della temperatura.
- > Timer ON/OFF.
- > 5 livelli di velocità del ventilatore + auto.

FUNCTIONS

- > Sleep: automatic control of room temperature during night hours.
- > Turbo: the unit operates at very high speed to quickly reach the cooling or heating temperature.
- > X-fan: after the unit has been turned off, it allows the evaporator to dry to prevent the formation of mold and bacteria.
- > Key lock.

MODES

- > Heating.
- > Dehumidification.
- > Automatic.
- > Raffrescamento.
- > Ventilation.

WIRED CONTROL WITH BUILT-IN WI-FI MODULE



DMW-ZAL-LCAC WiFi Wired control

STANDARD (included)
for the models
MULTISPLIT R32
ducted

Optional for the models
MULTISPLIT R32
8-way compact cassette
1-way cassette
ceiling

FEATURES

- > Integrated ambient temperature sensor.
- > 6 levels of fan speed.
- > Error display.
- > ON/OFF Timer.
- > Memory: restart after blackout with restoration of previous state.

FUNCTIONS

- > Sleep: automatic control of room temperature during night hours.
- > Turbo: the unit operates at very high speed to quickly reach the cooling or heating temperature.
- > Quiet: Silent mode.
- > X-fan: it allows the evaporator to dry to prevent the formation of mold and bacteria.
- > Absence (heating only): prevents the room temperature from falling below 8° C.
- > Key lock.

MODES

- > Heating.
- > Dehumidification.
- > Automatic.
- > Cooling.
- > Ventilation.

OPTIONAL CONTROLS R32

WIRED CONTROL



M-RF-CW2-L-G M-RF-CW3-L-G*

Wired control

Optional for the models

MULTISPLIT R32
wall (Airpro Plus & Action)
console
1-way cassette
compact cassette
ceiling

* Note for M-RF-CW3-L-G:

Mandatory for 1-way
cassette, compact cassette
and ceiling units if you want
to use the central

CARATTERISTICHE

- > 4 fan speeds: auto, low, medium, or high.
- > Air distribution with automatic vertical and/or horizontal flaps' swinging.
- > Error display.
- > Daily, weekly, or bi-weekly timer.
- > Memory: restart after blackout with restoration of previous state.

FUNCTIONS

- > Sleep: automatic control of room temperature during night hours.
- > Turbo: the unit operates at very high speed to quickly reach the cooling or heating temperature.
- > Quiet: Silent mode.
- > X-Fan: after the unit has been turned off, it allows the evaporator to dry to prevent the formation of mold and bacteria.
- > Absence (heating only): prevents the room temperature from falling below 8° C.
- > Key lock.

MODES

- > Heating.
- > Cooling.
- > Dehumidification.
- > Ventilation.
- > Automatic.

WIRED CONTROL WITH BUILT-IN WIFI MODULE



DMW-WIFI-ZA Wired control

optional for the models

LIGHT COMMERCIAL R32
ducted 10-16 kW
floor/ceiling 10-16 kW
big cassette 84x84 10-16 kW

FEATURES

- > LCD Display.
- > Error codes display.
- > Room temperature display.
- > Weekly Timer.

FUNCTIONS

- > Follow me.
- > Turbo: the unit operates at very high speed to quickly reach the cooling or heating temperature.
- > Auto Restart.
- > ON/OFF Timer.
- > Weekly Timer.

MODES

- > Heating.
- > Cooling.
- > Dehumidification.
- > Ventilation.
- > Automatic.

WI-FI CONTROLS FOR VRF SYSTEMS

WI-FI MODULE



Wi-Fi

M-V-WiFi-2-IDU



M-V-WiFi-2-IDU module for VRF systems

All the main air conditioning settings at your fingertips on your smartphone

MULTIWARM presents the new M-V-WiFi-2-IDU module which allows access to remote control of the air conditioner via an app downloadable on a smartphone.

The MULTIWARM Wi-Fi kit can connect up to 80 indoor units.

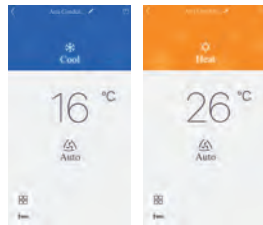
Thanks to the M-V-WiFi-2-IDU app, you can manage the main operating parameters from your home with a simple domestic Wi-Fi connection, or away from home, with a simple Internet connection. With EWPE SMART by MULTIWARM, you can turn the air conditioner on, off, adjust the room temperature and air flow, and operate in cooling or heating mode, with just a few "touches" on your mobile phone. An intelligent app that controls comfort and energy savings with a beneficial effect on your bill.

EWPE SMART



Available for Android and iOS smartphones and tablets

Some examples of screenshots from iOS devices



MAIN FUNCTIONS OF THE APP

- > Access security with account protected by credentials (User ID and PWD).
- > Individual control of individual units.
- > Turning on and off.
- > Selecting the operating mode.
- > Adjusting the set temperature.
- > Fan speed.
- > Weekly timer.
- > Heating activation 8° C (function that prevents the room temperature from falling below 8° C).
- > Silent mode.

VRF STANDARD INDIVIDUAL CONTROLS

INFRARED REMOTE CONTROL



M-V-CI-NB1-G

Standard for the following units:

wall, 8-way compact cassette, 8-way cassette, console, floor/ceiling

FEATURES

- > Clock.
- > Timer.
- > 4 fan speed levels + Turbo function.
- > Air distribution with vertical or horizontal flaps' swinging.
- > Setting the room temperature and displaying the indoor and outdoor temperature.

FUNCTIONS

- > I-Feel.
- > Sleep.
- > Energy saving (cooling).
- > Absence (heating).
- > Key lock.

MODES

- > Heating.
- > Cooling.
- > Dehumidification.
- > Ventilation.
- > Automatic.

WIRED CONTROL



M-V-CW-SD1-G

Standard for the following units:

ducted:
low/high static pressure, 100% outdoor air ducted, enthalpy recovery unit, recovery unit with coil, recessed floor unit and EEV kit for AHU

Optional for other units

Touch key panel. Monochrome LCD display with white backlighting, soft touch buttons. Modern design, square lines. Intuitive remote control for the user and versatile thanks to the different functions.

FEATURES

- > Clock.
- > 24 hour timer for on/off.
- > 6 fan speed levels + Turbo function.
- > Air distribution with vertical or horizontal flaps' swinging
- > Integrated ambient temperature sensor.
- > View and set project parameters.
- > Receiving infrared signal from the remote control.

FUNZIONI

- > Sleep.
- > Quiet.
- > Auto Quiet.
- > X-fan.
- > Light.
- > Defrost.
- > Save.
- > Absence (heating).
- > Key lock.
- > Memory.
- > Filter cleaning reminder.

MODES

- > Heating.
- > Cooling.
- > Dehumidification.
- > Ventilation.
- > Automatic.

UP TO 16 INDOOR UNITS CAN BE CONNECTED, WHICH WILL OPERATE WITH THE SAME SETTINGS

See details of functions and application types, *page 144*

VRF OPTIONAL INDIVIDUAL CONTROLS

WIRED CONTROL FOR HOTEL



M-V-CW-HB2-G
Optional for all types of indoor units

Simplified panel particularly suitable for hotel applications. Backlit monochrome LCD display, mechanical buttons. Modern design, square lines, with glossy glass effect front panel. Very simple and intuitive remote control for the user and with simplified functions. Possible connection with automatic access management systems.

FEATURES

- > 6 fan speed levels + Turbo function.
- > Air distribution with vertical flaps' swinging.
- > Setting and displaying the room temperature.
- > Receiving infrared signal from the remote control.

FUNCTIONS

- > Defrost.
- > Key lock.
- > Memory.

MODES

- > Heating.
- > Cooling.
- > Dehumidification.
- > Ventilation.
- > Automatic.

UP TO 16 INDOOR UNITS CAN BE CONNECTED, WHICH WILL OPERATE WITH THE SAME SETTINGS

SMART WIRED CONTROL



M-V-CW-TW1-G
Optional for all types of indoor units

Smart touch screen panel with high resolution LCD display. Elegant design, square lines. Very advanced remote control complete with various functions, each viewable on a single interactive screen and easy to manage.

FEATURES

- > Clock.
- > 3 types of Weekly Timer.
- > 6 fan speed levels + Turbo function.
- > Air distribution with vertical or horizontal flaps' swinging.
- > Detection and display of ambient temperature.
- > Receiving infrared signal from the remote control.
- > Various customizations possible such as light regulation and stand-by time.

FUNCTIONS

- > Sleep.
- > Quiet.
- > Auto Quiet.
- > X-fan.
- > Light.
- > Defrost.
- > Save.
- > Absence (heating).
- > Key lock.
- > Memory.
- > Filter cleaning reminder.

MODES

- > Heating.
- > Cooling.
- > Dehumidification.
- > Ventilation.
- > Automatic.

UP TO 16 INDOOR UNITS CAN BE CONNECTED, WHICH WILL OPERATE WITH THE SAME SETTINGS

See details of functions and application types, *page 144*

Application types for VRF wired controls

M-V-CW-SD1-G
M-V-CW-HB2-G
M-V-CW-TW1-G

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SINGLE CONTROL FOR THE MANAGEMENT OF A SINGLE INDOOR UNIT

Each indoor unit has its own independent control.

TWO CONTROLS FOR MANAGING A SINGLE UNIT

An indoor unit can be controlled by two wired controllers placed in different locations (Master/Slave mode).

SINGLE CONTROL FOR MANAGING MULTIPLE INDOOR UNITS (GROUP CONTROL)

A single wired controller can control up to 16 indoor units simultaneously.

TWO CONTROLS FOR MANAGING DIFFERENT INDOOR UNITS

The indoor units (maximum 16) can be managed by two wired controllers simultaneously.

Appendix

DETAIL OF CONTROL FUNCTIONS

- **Absence (heating only):** prevents the room temperature from falling below 8° C.
- **Defrost:** defrost function.
- **Energy saving/Save:** energy saving.
- **I Feel:** adjusts the room temperature according to that detected by the remote control to obtain maximum comfort.
- **Light:** brightness adjustment.
- **Memory:** in the event of a blackout, when the power is restored, it automatically restarts with the previous settings.
- **Quiet/Auto Quiet:** Silent mode.
- **Rapid:** when the unit is turned on, in direct expansion cooling or heating mode, it allows the set temperature to be reached quickly, improving indoor comfort.
- **Sleep:** night operation.
- **Turbo:** the unit operates at very high speed to quickly reach the cooling or heating temperature.
- **X-Fan:** allows the evaporator to dry to avoid the formation of mold and bacteria.

VRF OPTIONAL CENTRALIZED CONTROLS



M-V-CC-T32-G

Simplified centralized panel with 4.3" LCD touch screen display.

Modern and elegant design. Small footprint: recessed wall installation with a protrusion of only 11 mm.

You can manage up to 32 groups of indoor units (32 indoor units in total) distributed across up to 16 systems*. Possibility to: assign names to indoor units, select icons and create custom settings (background, backlight).

FEATURES

- View and set project parameters.
- Fault recording and access management.

FUNCTIONS

- Single unit control: temperature setting, timer, fan speed, air distribution control with vertical or horizontal flaps' swinging and advanced functions (sleep, quiet, auto quiet, auxiliary heating, save, rapid, absence in heating).
- Group management.
- Centralized control of all indoor units.

MODES

- Heating.
- Hydronic heating.
- 3D heating.
- Ambient heating.
- Cooling.
- Dehumidification.
- Ventilation.
- Automatic.



M-V-CC-T255-G2

Centralized Touch Screen Panel. High resolution 7" touch screen LCD display.

Modern and elegant design. User-friendly operation.

Small footprint: recessed wall installation with a protrusion of only 14 mm.

You can manage up to 255 groups of indoor units (255 indoor units in total) distributed across up to 16 systems. Possibility to: assign names to indoor units, select icons and create custom settings (background, backlight).

Not compatible with RAC monosplit/multisplit units: wall-mounted (ACTION and AIRPRO PLUS) and console.

FEATURES

- View and set project parameters.
- Fault logging, alarm display and access management.
- Programming (setting different programs).
- **App control via the included Wi-Fi module (standard).**

FUNCTIONS

- Single-unit control: temperature setting, timer, fan speed, air distribution control with vertical or horizontal swing and advanced functions (sleep, quiet, I-Feel, energy saving, weekly timer, filter-cleaning reminder, absence heating).
- Group management.
- Indoor temperature display.

MODES

- Heating.
- Cooling.
- Dehumidification.
- Ventilation.
- Automatic.

OTHER VRF OPTIONAL CONTROLS

WEB-BASED MONITORING SOFTWARE



M-V-SOFT-Mon
Optional for all types of indoor units
(requires Gateway M-V-Gateway-Mon)

Local control of on/off, temperature setting, operating mode and other parameters of any type of indoor unit or group of indoor units.

- > Real-time monitoring of system status and output of data for any errors and malfunctions.
- > Programming of units according to user needs and the intended use of the building.
- > Visualized graphical representation of the system structure and control modes of individual devices and/or groups of the entire project.
- > Consumption accounting.



M-V-Gateway-Mon
TCP/IP Network Gateway

GATEWAY FOR BACNET/IP AND MODBUS RTU/TCP MAX 255 I.U.



M-V-Gateway-LAN/Bacnet
Optional for all types of indoor units
(max. 16 systems or 255 indoor units)

- > Network gateway that supports connection to a building management system (BMS).
- > This network gateway features BACnet and Modbus communication protocols.
- > The high-efficiency, large-data communication system can monitor unit operation in real time and control up to 255 indoor units simultaneously.

MINI GATEWAY FOR MODBUS RTU



M-V-Gateway-Modbus
Optional for all types of indoor units
(max. 16 systems or 128 indoor units)

- > The mini Modbus network gateway enables connection to a building management system (BMS).
- > Remote control for single unit or groups of units for switching on, off, setting temperature, operating mode, fan speed, control lock with individual remote controls and real-time monitoring of operating parameters and error codes of the units.

OTHER VRF OPTIONAL CONTROLS

GATEWAY FOR CONNECTING LIGHT COMMERCIAL UNITS TO THE CENTRALIZED CONTROL



DMC-LCAC-Gateway

**For light commercial units up to 7.1kW
ducted, compact cassette, cassette 84x84,
floor/ceiling.**

One gateway is required for each indoor unit
(up to 255 gateways for each centralized control).

Interface to control light commercial R32 units up to 7.1 kW via the M-V-CC-T255-G2
centralized control..