

A **TATA** Product

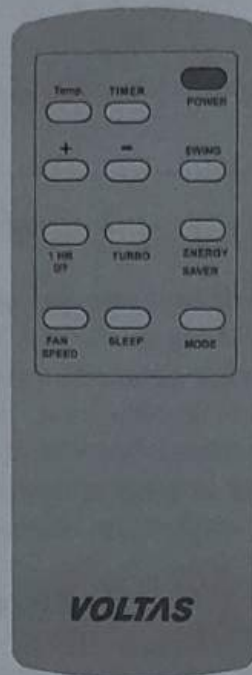
VOLTAS

Window Type Air-Conditioner

REMOTE CONTROLLER INSTRUCTIONS

- Read the "instructions" carefully so that you can use the air-conditioner safely and correctly.
- Take good care of the "instruction" so that it can be referred to at any time.

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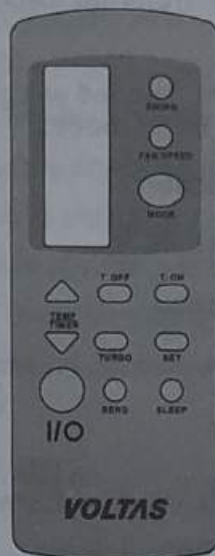
NON LCD TYPE:

Various keys & the function's associated with Non LCD remote are as follows:-

- Power** : To switch the system on/off.
- Up** : Used for incrementing the preset temperature or timer time.
- Down** : Used for decrementing the preset temperature or timer time.
- Fan Speed** : To change fan speed.
- Sleep** : This key set/cancel the sleep function.
- Swing** : Used for turning swing motor on/off.
- 1 Hr. Off** : To set 1 hr off timer.
- Turbo** : To active turbo feature, press this key.
- Mode** : Select the mode cool, dry and fan.
- Timer** : Used to set the timer. Timer value can be changed by using up/down key after pressing the timer key.
- E. Saver** : To active/deactivate energy saver function (In cool mode only).

Note : The availability of above Keys / Features in the remote could vary from model to model.

LCD TYPE:




TYPE-1



TYPE-2

"Remote Key Features varies depending upon model to Model.
Some Features might not work with the unit purchased"

Various keys & the function's associated with LCD remote are:-

- I/O**  : To switch the system on and off.
- Up / +** : Used for incrementing the preset temperature or timer time.
- Down / -** : Used for decrementing the preset temperature or timer time.
- Fan Speed** : To change fan speed between Low, Medium, High and Auto.
- Sleep** : This key set/cancel the sleep function.
- Swing/V.Swing** : Used for turning swing motor on/off.
- Turbo** : Used for enable/disable the turbo function.
- Mode** : To select the mode Cool, Dry, Fan and Heat.
- T.ON** : To Select or edit the "on timer", press this key.
While timer is on, pressing this key twice will cancel the timer.
- T.OFF** : To Select or edit the "off timer", press this key.
While timer off is set, pressing this key twice will cancel the timer.
- Set** : To set on/off timer, press this key when timer is in edit mode.
- Send** : To re-transmit the setting towards receiver side, press this key.
- Saver** : To activate/deactivate energy saver function (In cool mode only).

Note : Heat Mode is Applicable for H/C machines.

LED INDICATORS ON RECEIVER UNIT

There are various LED's on the receiver board(Front display panel) to indicate the following functions :-

- **Power** : To indicate the supply in system. This led will glow in standby mode & will remain OFF in all other modes.
- **Cool** : To indicate the cool mode selection.
- **Dry** : To indicate the dry mode selection.
- **Fan** : To indicate the fan mode selection.
- **Turbo** : To indicate the turbo selection.
- **Sleep** : To indicate the sleep selection.
- **Timer** : To indicate the timer selection.
- **Swing** : To indicate swing motor condition.
- **Fan Low, Fan Medium, and Fan High** : To indicate Fan Speed

NOTE:The availability of above LED's in the machine could vary from model to model.

KEY'S ON THE RECEIVER UNIT:

There are various key's on the receiver unit. A beep sound is heard when any key is pressed.

- **Power** : To switch the system on or off.
- **UP** : To Increases the set temperature/timer.
- **Down** : To Decreases the set temperature/timer.
- **Mode** : To select the cool , dry and fan modes.
- **Swing** : To toggle the swing motor between on and off.
- **Fan** : This key changes the Fan speed to High, Medium or Low.
- **Turbo** : To select turbo function.
- **Sleep** : This Key sets/cancel the sleep function.
- **Timer** : To set timer press this key once and then use up/down key to increment or decrement timer value.
- **E.saver** : To set/cancel energy saver function, press this key.

NOTE : The availability of above key's in the machine could vary from model to model.

DUAL DIGIT DISPLAY:-

- Set Temperature in Cool, Dry and fan mode.
- Blank in standby (off) mode.
- 'ES' in Energy saver Mode. (Only for 5 second).
- 'CL' for cool mode while changing another mode to cool mode.
- 'dr' for dry mode while changing another mode to dry mode.
- 'Fn' in Fan mode while changing another mode to fan mode.
- 'SL' For 5 second in every one minute if sleep is active in cool mode.
- Timer hour after pressing up/down key or after timer key from receiver /transmitter.

MODES OF OPERATIONS:-

Various modes of operation of the unit are as follows:-

- Cool
- Dry
- Fan
- Heat (Heat Mode is applicable only for H/C machines).

COOL MODE:-

In this mode compressor will switch to on after the delay of three minutes depending on the differential of room & preset Temperature. Cool LED blinks during the delay time.

Preset temperature (from 16 to 30° C) and fan speed (Low/Medium/High/Auto) can be changed by the user. Compressor cycling will occur as per below logic:-

Compressor will cut off

If Room temperature = Preset temperature - 1° C or below.

Compressor will cut in

If Room temperature = Preset temperature + 1° C or above.

DRY MODE:-

In Dry Mode-

- Fan speed will be low & can't be changed.
- Compressor cycling will be same as it is in cool mode.

FAN MODE:-

In Fan Mode-

- Compressor will be switched off.
- High, Medium or Low Fan speed can be selected with the transmitter or Fan key.

HEAT MODE:-

In Heat Mode-

- In Heat Mode temperature setting is adjusted between 16°C to 30°C.
- The Compressor starts if room temperature is 1°C below the set temperature.
- The Compressor stops if room temperature is 1°C above the set temperature.
- In this mode Heat/Cool LED glow in Orange colour.

ADDITIONAL FEATURES:

➤ **Auto fan speed (In cool mode only)**

While increasing room temp:-

- Low fan change to medium when room temp \geq set temp. + 2°C.
- Medium fan change to high when room temp. \geq set temp+ 4°C.

While decreasing room temp:-

- High fan change to medium when room temp \leq set +2°C .
- Medium fan change to low when room temp \leq set temp

➤ **SLEEP :-**

Sleep function can be selected in cool mode only. Total 2 degree preset temperature will increase in 2 hour (1 degree/hour.)

Note : Increased temperature will not be saved in memory.

If energy saver is set before pressing sleep key, it will cancel the energy saver.

➤ **TURBO :-**

By pressing this key, power up delay will get bypassed (only once after power up), Fan will run at high speed and compressor will turn on if room temp > set temp. If Energy saver is set before pressing turbo key, it will cancel ES.

➤ **DELAY TIME:-**

- Compressor will always take 3 minute time delay, after switching off of compressor, it required for compressor protection.
- Compressor will always take 3 minute time delay after Power on from mains .
This can be bypassed by pressing Turbo key, only once after mains power on.

➤ **Energy saver (Applicable for ES series models):-**

- Energy saver can only be selected in cool mode.
- Set Temp becomes 24° C. and can't be changed. Fan Speed will be set to Medium and it can't be changed.
- Compressor cycling will be same as it is in cool mode.

ERROR CODES:

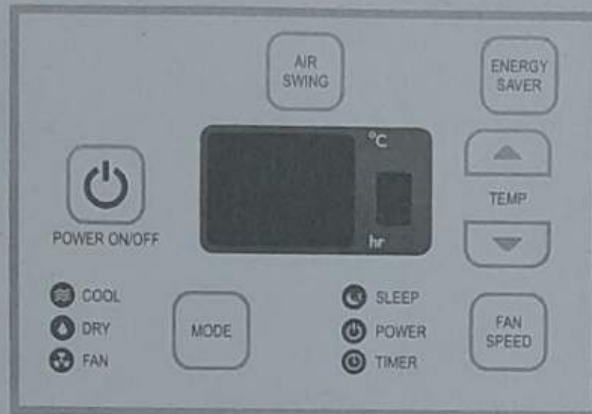
- 'E1' with set temperature (toggle after 4 sec) when room sensor short or open.
- 'E2' with set temperature (toggle after 4 sec) when coil sensor short or open.
- 'dF' for defrost and it occurs in cool mode and dry mode functions.

➤ **ROOM/COIL SENSOR FAILURE:-**

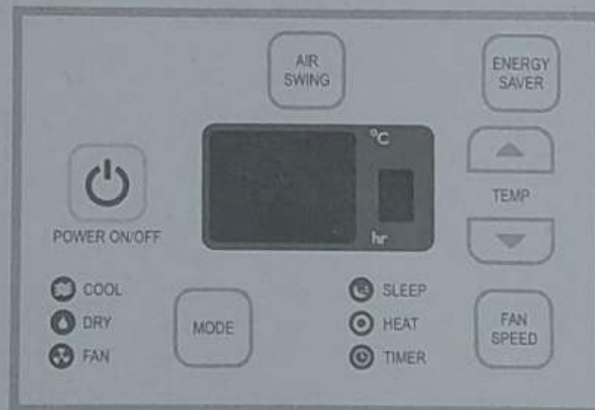
Compressor gets on for 20 minutes & off for 7 minutes & repeats this cycle irrespective of the set temperature. E1 with set temperature (toggle) will appear on the display when Room sensor is short or open. E2 with set temperature (toggle) will appear on the display when Coil sensor is short or open.

➤ **DISPLAY PANELS:-**

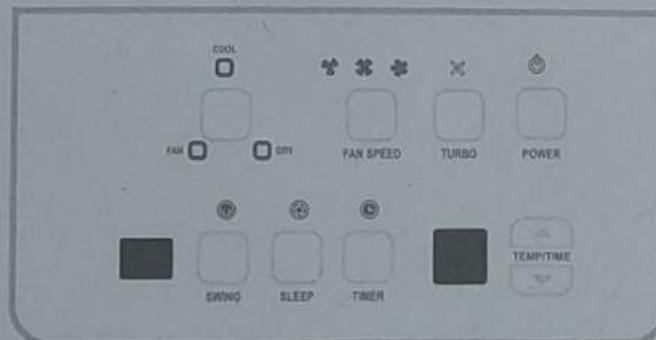
TYPE - 1



TYPE - 2



TYPE - 3



NOTE :-Type of display panel will vary from model to model.