

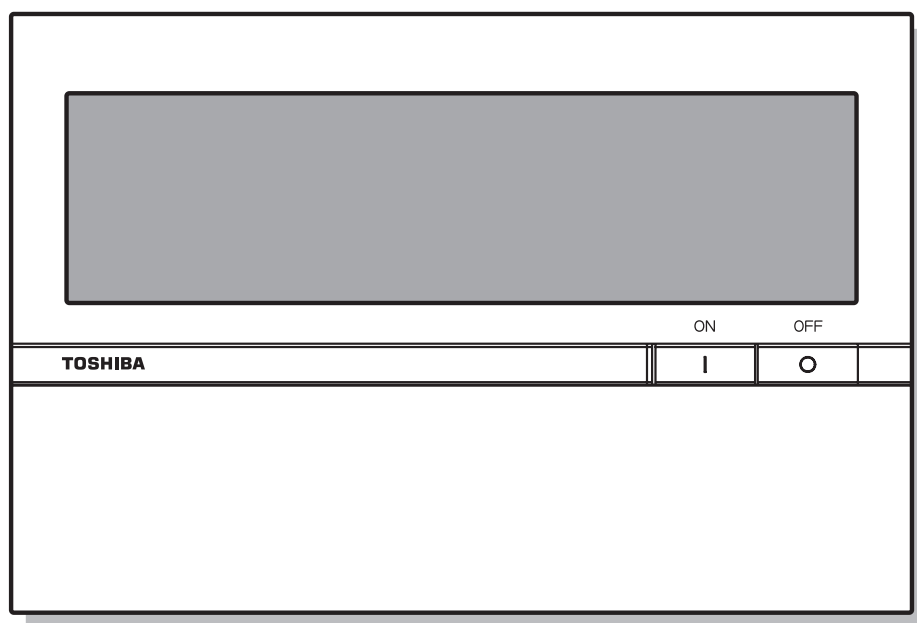
TOSHIBA

COMPLIANT MANAGER Owner's Manual

Model name:

BMS-CM1280TLE

BMS-CM1280FTLE



-
- **Save These Instructions!**
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ENGLISH

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1 PRECAUTIONS FOR SAFETY

- Please read this "Safety Cautions" thoroughly before Installation to install the air conditioner correctly.
- The important contents concerned to the safety are described in the "Safety Cautions".
Be sure to keep them. For Indications and their meanings, see the following description.

■ Explanation of indications

WARNING

Indicates possibilities that a death or serious injury of personnel is caused by an incorrect handling.

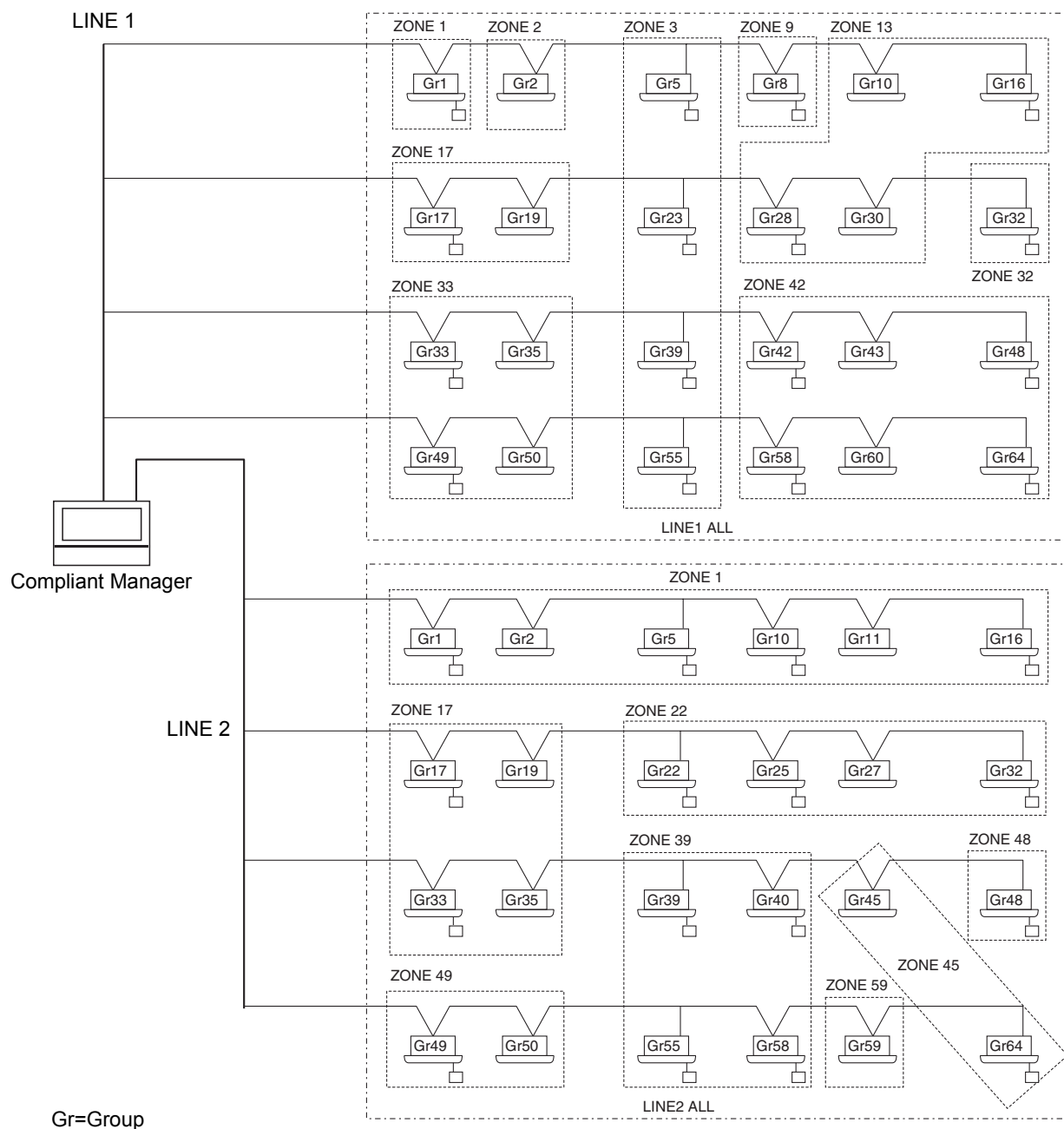
CAUTION

Indicates contents that an injury (*1) or property damage (*2) only may be caused when an incorrect work has been executed.

- *1: "Injury" means a hurt, a burn, or an electric shock which does not require hospitalization or a long-term going to the hospital.
*2: "Property damage" means an enlarged damage concerned to property, or breakage of materials.

- **After installation work has finished, check there is no trouble by a test operation, and explain using method and maintenance method to the customers based on the Owner's Manual.**
Please ask the customers to keep this Installation Manual together with the Owner's Manual.
- **Make sure to ask the qualified installation professional in electric work to install the air conditioner.**
If the air conditioner is inappropriate installed by yourself, it may cause water leak, electric shock, fire, and so on.
- **A person qualified for the electric work should deal with the electric construction conforming to the regulations of the local electric company and the Installation Manual.**
Be sure to use the exclusive circuit.
If there is capacity shortage of the power supply circuit or incomplete installation, a fire or an electric shock is caused.
- **For wiring, use the specified wires and connect them securely so that external force of wire does not transmit to the terminal connecting section.**
If connection or fixing is incomplete, a fire, etc may be caused.
- **For the products sold separately, be sure to use those specified by us.**
Be sure to use the products sold separately which are specified by us; otherwise a fire, an electric shock, or water leak may be caused. Moreover ask an expert to install the air conditioner.
- **When you notice something abnormal with the air conditioner (smells like something scorching, poor cooling, etc.), Immediately turn off the main switch, the circuit breaker, from the mains to stop the air conditioner, and contact the dealer.**
If the air conditioner is continuously operated with something abnormal, it may cause machine failure, electric shock, fire, and so on.
- **Do not touch the switches with the wet hands.**
Otherwise an electric shock may be caused.
- **When cleaning the air conditioner, be sure to stop the operation and turn off the power switch.**
Otherwise an injury may be caused because the fan rotates in high speed inside of the air conditioner.
- **Make sure that the ground connection has been properly made.**
Improper grounding may result in electric shock. Ask your dealer or an installation professional about how to check the ground connection.
- **Do not modify the unit.**
Any modification may cause a malfunction, resulting in overheating or fire.

2 SYSTEM CONFIGURATION OF THE COMPLIANT MANAGER



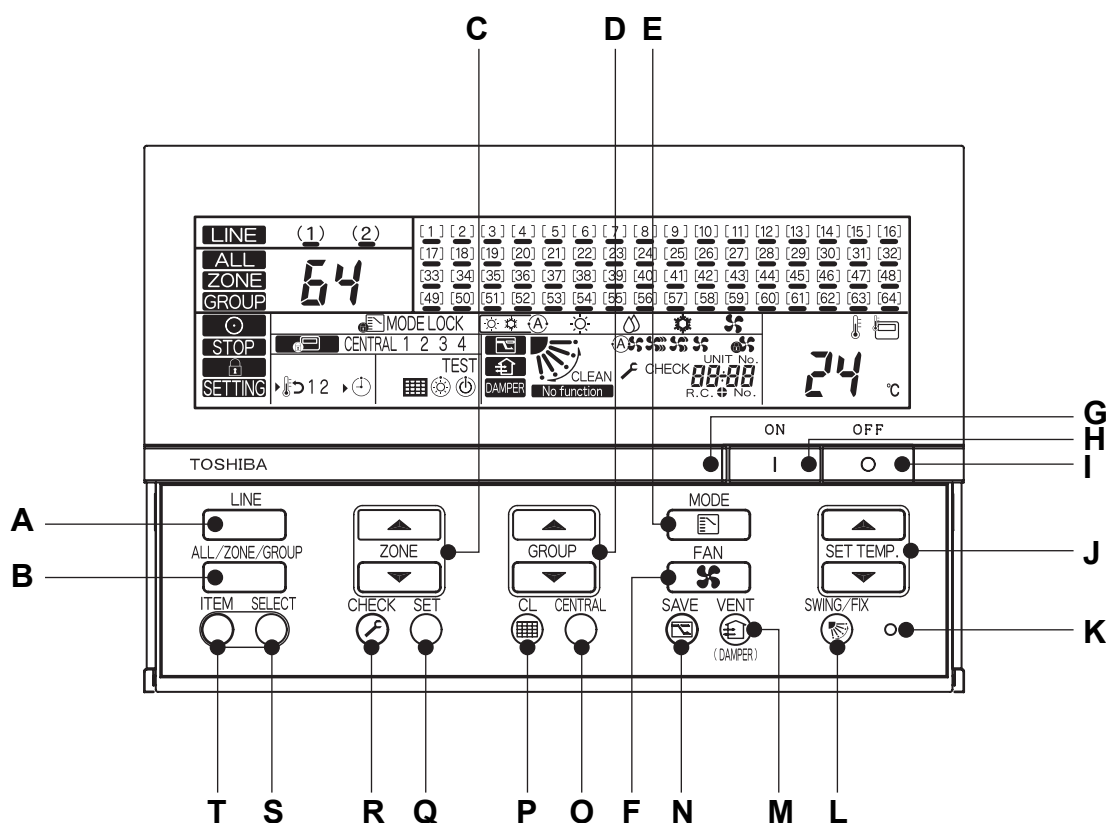
* Up to 64 zones and 64 groups per line can be managed.
(This Compliant Manager controls 2 lines, 128 zones, and 128 groups in total.)









* Groups that can be registered in each zone must meet the following conditions.
1. Groups are connected to the same line.
2. Groups are in the same group number range when the control group selection is used.



















* In the control group selection, the Compliant Manager displays only for air conditioners in the set group number range. (For details, refer to the Installation Manual.)

3 HOW TO USE THE COMPLIANT MANAGER

■ Button operation



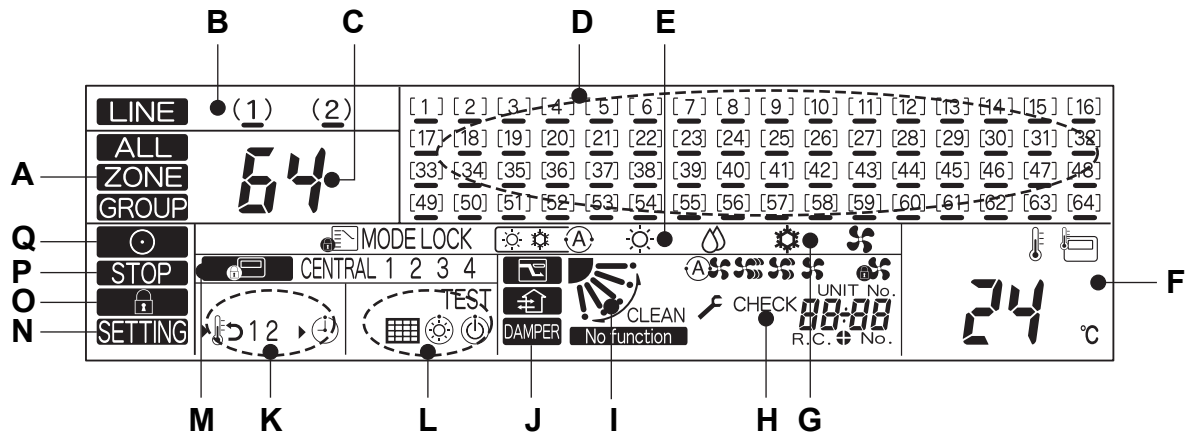
| | |
|---|---|
| A: LINE button  | Switches line 1 (display 1), line 2 (display 2) |
| B: ALL/ZONE/ GROUP button  | Switches ALL, ZONE, and GROUP. ALL : Selects all groups on the selected line simultaneously. ZONE : Selects all groups in the specified zone. GROUP : Selects a group. <ul style="list-style-type: none"> Group 1 to 64 connected to the same line can configure zones. Groups connected to different lines cannot be specified for the same zone. This remote controller can control up to 2 lines, 128 zones, and 128 groups. |
| C: ZONE button  |  : Increments the zone number.  : Decrements the zone number. * There are 64 zones per line (128 zones in total). |
| D: GROUP button  |  : Increments the group number.  : Decrements the group number. * There are 64 groups per line (128 groups in total). |

| | | |
|----------------------------|---|---|
| E: MODE button |  | <p>Switches operation mode. (* Selectable operation modes vary depending on models.)</p> <p>AUTO:  Automatically switches heating operation and cooling operation alternately.</p> <p>HEAT:  Performs heating operation.</p> <p>DRY :  Performs dehumidifying operation.</p> <p>COOL:  Performs cooling operation.</p> <p>FAN :  Performs FAN operation.</p> <p>* When  MODE LOCK lights, operation mode is fixed to COOL or HEAT by the remote control system.</p> |
| F: FAN button |  | <p>Switches air volume. (* Selectable air volume levels vary depending on models.)</p> <p>AUTO:  Air volume is automatically switched by the indoor unit.</p> <p>HEAT:  Large air volume (Fan speed: High)</p> <p>MED.:  Medium air volume (Fan speed: Medium)</p> <p>LOW :  Small air volume (Fan speed: Low)</p> <p>* While  is displayed, air volume is fixed and cannot be selected.</p> |
| G: Run lamp | | <p>Indicates the operating status of the selected group.</p> <p>OFF: The selected group is not operating.</p> <p>ON: The selected group is operating.</p> <p>Flashing: When an error occurs or the protective device is activated</p> |
| H: ON button |  | Starts operation. |
| I: OFF button |  | Stops operation. |
| J: SET TEMP. button |  | <p> Increases the set temperature.</p> <p> Decreases the set temperature.</p> |
| K: RESET button | | Used to reset settings. (Do not usually use this button.) |
| L: SWING/FIX button |  | <p>Switches the auto-swing mode and louver direction when no remote controller is used.</p> <p>* This button is disabled in the ALL or ZONE mode.</p> |
| M: VENT button |  | <p>Used when a commercially available ventilation fan is connected.</p> <p>Pressing this button runs or stops the connected ventilation fan.</p> <p>When operation of air conditioners is started or stopped, the ventilation fan is also started or stopped at the same time.</p> <p>(While the ventilation fan is running,  is displayed on the display.)</p> <p>* When No function appears on the display when the VENT button is pressed, no ventilation fan is connected.</p> <p>* This button is used to operate and stop the damper when a heat exchange ventilaters is connected.</p> |
| N: SAVE button |  | <p>Drives the air conditioner into the power saving mode.</p> <p>* When No function appears on the display, the power saving mode is not available for the air conditioner.</p> |
| O: CENTRAL button |  | <p>Switches CENTRAL 1 to CENTRAL 4 in the central control mode.</p> <p>No indication: Central control is cleared (individual operation)</p> <p>* This button is disabled in the remote controller mode.</p> |
| P: CL button |  | Erases the filter mark on the display. This button is also used for the initial settings. |
| Q: SET button |  | Used for service or special operations. (Do not usually use these buttons.) |
| R: CHECK button |  | |
| S: ITEM button |  | <p>Used for enable/disable settings for return-back operation* and timer operation.</p> <p> : Selects an item to be set sequentially. (The selected item and the  mark light.)</p> <p> : Enables or disables the selected item.</p> <p>* Selectable items may vary depending on models.</p> |
| T: SELECT button |  | |

























* [Return-back operation]

The return-back operation is a function to return the temperature automatically to the set temperature in a predetermined time period if a temperature lower than the specified temperature (for cooling) or higher than the specified temperature (for heating) is set on the remote controller.

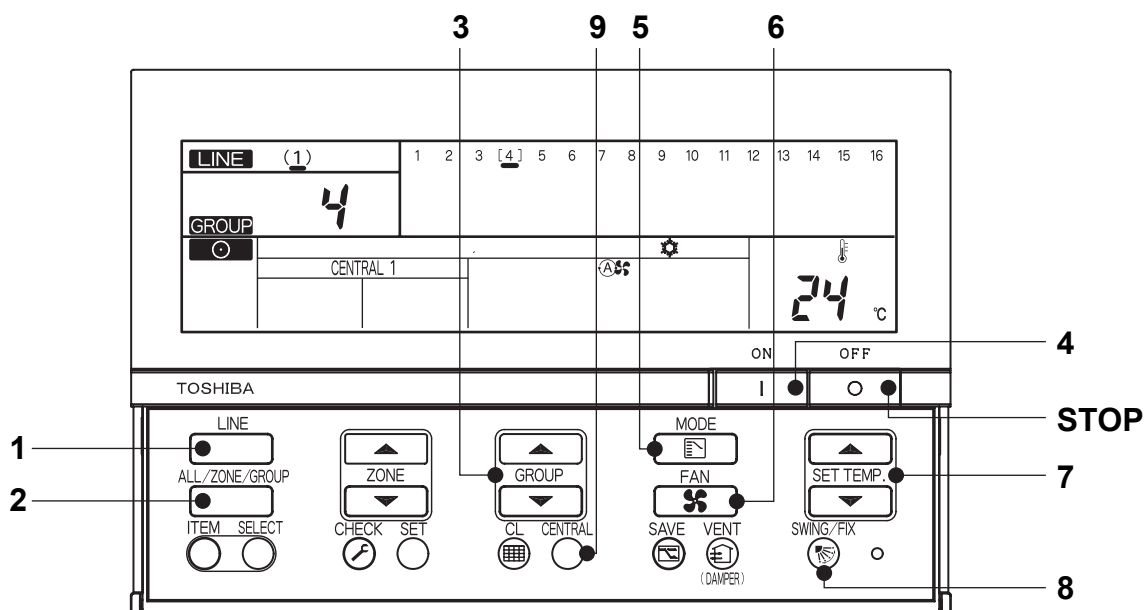
■ Indications on the LCD panel



| | |
|--------------------------|--|
| A: ALL/ZONE/GROUP | ALL , ZONE , or GROUP is displayed. |
| B: Line number | <p>LINE (1) — When a line is selected, the () mark of the selected line number flashes.</p> <p>— The number lights when a device is controlling the line collectively.</p> <p>LINE (1) (2) — When both line 1 and line 2 are selected, the line of the flashing () mark is displayed.</p> <p>— The underline lights when there is at least one operating air conditioner on the line.</p> <p>— The underline flashes when an alarm occurs.</p> |
| C: Zone number | <p>The selected line number, zone number or group number is displayed.</p> <p>ALL 1.2</p> <p>ZONE 1~64</p> <p>GROUP 1~64</p> |
| D: Group number | <p>Connected groups are automatically recognized and displayed.</p> <p>When a group is specified with the GROUP button, it is displayed like [] .</p> <p> [] Flashing: Shows a group that is being set among selected groups.</p> <p>[] Lighting: Shows selected groups.</p> <p><u>3</u> Underline: Shows that the group is operating.</p> <p> The underline flashes when an alarm occurs.</p> |
| E: Operation mode | <p>The current operation mode is displayed.</p> <p>AUTO: HEAT: DRY: COOL: FAN: </p> <p>* When MODE LOCK lights when the button is pressed, switching of HEAT and COOL operation mode is disabled.</p> |
| F: Temperature | The set temperature is displayed. |
| G: Air volume | One of AUTO , HEAT , MED. , LOW , or FIXED is displayed. |

| | |
|--|--|
| H: Check code | When the selected air conditioner is abnormal, its unit number and the check code are displayed. |
| I: Louver position/swing | Louver position or louver swinging is displayed. (When no remote controller is used.) |
| J: Functions (1) |  : Lights when the power saving mode is activated.  : Lights when a ventilation fan is running.  : Lights when the damper is operating with a total heat exchanger connected.  : Lights when the  or  button is pressed though the function is not provided. |
| K: Functions (2) |  1 : Displayed when functions of schedule and return-back operation enabled activated.  2 * (A separately sold schedule timer is required.)  |
| L: Functions (3) |  : Indicates that filters should be replaced. TEST : Indicates that a test run is being executed.  : Displayed when the air conditioner cannot operate with the selected operation mode (when heating and cooling modes are mixed in the multi- indoor unit control system).  : Displayed at the beginning of heating operation or during defrosting operation. While this mark is displayed, the indoor fan stops. |
| M: Central control | CENTRAL 1 2 3 4 : The selected operation prohibited setting (CENTRAL 1, 2, 3, or 4) is displayed in the central control mode.  : Displayed when the central control system is controlling. When the  ,  ,  , or SET TEMP.   button is pressed with remote controller operation disabled by the central control system,  flashes and no setting change is accepted. |
| N: SETTING | Flashes for several minutes when the power switch is turned on. While this mark is flashing, no setting is enabled because the Compliant Manager is recognizing connected groups. |
| O:  ("Controller Prohibition" mark) | Lights while the controller prohibition function is activated. (While this mark is lighting, no operation is enabled.) * Pressing the  ,  , and  buttons simultaneously switches controller prohibition ON/OFF. |
| P: STOP | Lights in the emergency stop state due to an alarm signal input. (Ex. fire alarm) |
| Q:  ("Operating" mark) | Lights when at least one controlled air conditioner is operating. Flashes when at least one air conditioner is abnormal or the protective device is activated. |

4 HOW TO PERFORM GROUP OPERATION

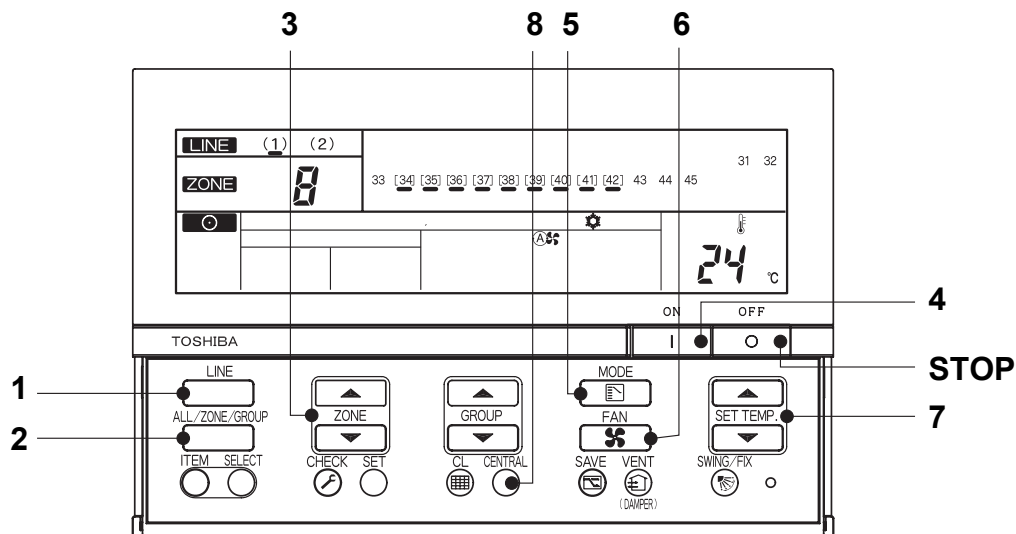


(Example) Operating LINE 1, GROUP 4 (Cooling at 24°C, air volume: AUTO)

| | |
|---|--|
| Power on | Turn on the power of the remote controller. (Buttons on the remote controller are disabled while SETTING is displayed, but this is not a fault.) |
| 1 Line switching | Select line 1 with the LINE button. |
| 2 ALL/ZONE/GROUP | Select GROUP with the ALL/ZONE/GROUP button. |
| 3 Group switching | Select group number 4 with the GROUP and buttons. (Group number 4 blinks like) |
| 4 ON | Press the ON button to start operation. |
| 5 Operation mode switching | Select COOL mode with the MODE button. |
| 6 Air volume switching | Select AUTO air volume with the FAN button. |
| 7 Temperature setting | Set temperature to 24°C with the SET TEMP. and buttons. |
| 8 Swing/wind direction setting (When no remote controller is used) | Select a louver position or up/down swinging with the SWING/FIX button. |
| 9 Central/individual (Only in the central control mode) | Change the setting with the CENTRAL button. Individual: Controls with the remote controller are possible. CENTRAL 1: Disables operation start/stop using the remote controller. CENTRAL 2: Disables operation start/stop, operation mode switching, and temperature setting using the remote controller. CENTRAL 3: Disables operation mode switching and temperature setting using the remote controller. CENTRAL 4: Disables operation mode switching using the remote controller. “CENTRAL” is displayed for central or individual control other than above. |
| STOP | Press the OFF button to stop operation. |

* Indications on the LCD of the Compliant Manager remain unchanged even when operation is stopped.

5 HOW TO PERFORM ZONE OPERATION AND SIMULTANEOUS OPERATION



(Example) Performing zone operation (LINE 1, ZONE 8, GROUP 34~42 cooling at 24°C, air volume: AUTO) and simultaneous operation (LINE 1, cooling at 24°C, air volume: AUTO)

| | Zone operation (LINE 1, ZONE 8, cooling at 24°C, air volume: AUTO) | Simultaneous operation (LINE 1, cooling at 24°C, air volume: AUTO) |
|--|--|--|
| Power on | Turn on the power of the remote controller (Buttons on the remote controller are disabled while SETTING is displayed, but this is not a fault.) | |
| 1 Line switching | Select line 1 with the LINE button. | |
| 2 ALL/ZONE/GROUP | Select ZONE with the ALL/ZONE/GROUP button. | Check that ALL is displayed. If it is not displayed, select ALL with the ALL/ZONE/GROUP button. |
| 3 Zone switching | Select 8 ZONE with the ZONE and buttons. ("8" is displayed.) | (Not necessary) ("1" is displayed.) |
| 4 ON | Press the ON button to start operation. (Operation starts sequentially at intervals of about one second.) | |
| 5 Operation mode switching | Select COOL mode with the MODE button. | |
| 6 Air volume switching | Select AUTO air volume with the FAN button. | |
| 7 Temperature setting | 24°C Set temperature to 24°C with the SET TEMP. and buttons. | |
| 8 Central/individual (Only in the central control mode) | Change the setting with the CENTRAL button. Individual: Controls with the remote controller are possible. CENTRAL 1: Disables operation start/stop using the remote controller. CENTRAL 2: Disables operation start/stop, operation mode switching, and temperature setting using the remote controller. CENTRAL 3: Disables operation mode switching and temperature setting using the remote controller. CENTRAL 4: Disables operation mode switching using the remote controller. "CENTRAL" is displayed for central or individual control other than above. | |
| STOP | Press the OFF button to stop operation. | |

* When **ALL** or **ZONE** is displayed, the **SWING/FIX** button is disabled.

* Settings when ALL or ZONE is selected: Only the contents that are set in the ALL or ZONE mode are set in each air conditioner.
(Example) When the **MODE** button is pressed in the ALL or ZONE mode, only the operation mode is set in each air conditioner.

* Indications on the LCD of the Compliant Manager remain unchanged even when operation is stopped.

6 SPECIFICATIONS

| | | |
|---|--|----------------|
| Model | BMS-CM1280TLE | BMS-CM1280FTLE |
| Power supply | 220-240 VAC 50/60Hz | |
| Power consumption | 3W | 5W |
| Number of connectable indoor units (TCC-LINK) | 128 Units (LINE1 64 Units, LINE2 64 Units) | |
| Energy Monitoring Relay Interface (RS-485) | 4 Units (max.) | |
| Digital Input/Output Relay Interface (RS-485) | 4 Units (max.) | |
| Operating temperature | 0 to 40°C to 90%RH | |
| Dimensions | -20 to +60°C (no condensation) | |
| Mass | 120 (H) × 180 (W) × 88 (D) | |
| Weight | 1.1Kg | 1.2Kg |

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