



## Lossnay Remote Controller PZ-43SMF-E

Operation Manual (For user)

This remote controller is to be connected to a Lossnay unit to allow that unit to be started and stopped, and to allow selection of the ventilation mode and of the fan speed.

In order to ensure that remote controller and Lossnay unit can be operated both correctly and safely, it is important that this user's manual be read fully and carefully.

This remote controller may be installed without the assistance of special contractors. (however, safety and functionality will not be guaranteed in such a case)

### 1 Safety Precautions

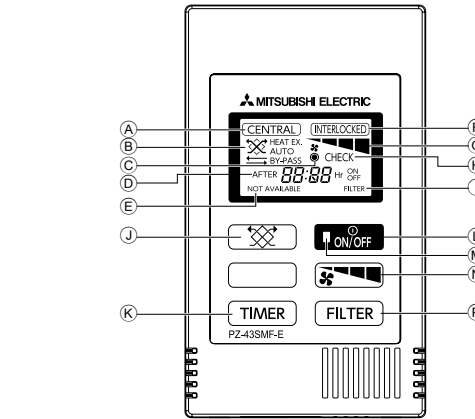
**WARNING** This symbol denotes what could lead to serious injury or death if the Lossnay remote controller is misused.

- Do not install the product by yourself.
  - Contact your dealer or technical representative for installation. If it is installed improperly by yourself, electric shock, fire, etc. could result.
- Do not move or reinstall the product by yourself.
  - If it is installed improperly, electric shock, fire, etc. could result. Contact your dealer or technical representative.
- Do not discard the product by yourself.
  - Contact your dealer if you dispose of the product.
- Never modify or repair by yourself.
  - If the product is modified or inappropriately repaired, electric shock, fire, etc. could result. Contact your dealer for repair.
- Check the installation condition.
  - Ensure that the product is properly installed in a firm and stable place.
- Ensure that the rated power is applied to the product.
  - Otherwise, fire or breakdown could result.
- Stop the operation if any trouble occurs or error code is displayed.
  - Continued operation with trouble could result in breakdown, electrical shock, or fire. If any trouble occurs (such as burnt odor), press the ON/OFF button to turn off the product, and contact your dealer.

**CAUTION** This symbol denotes what could lead to personal injury or property damage if the Lossnay remote controller is misused.

- Do not place dangerous goods around the product.
  - Do not install the product in a place where flammable gases may leak. If gas should leak or accumulate around the product, fire or explosion could result.
- Do not use the product for special purposes.
  - Malfunction could result.
- Do not apply insecticide or flammable sprays to the product.
  - Do not place flammable spray near the product, or apply the spray to the product. Doing so could cause to catch fire or explosion.
- Do not use the product in special environments.
  - The product could underperform or the parts could be damaged if it is used in locations subject to large quantities of oil (including machine oil), steam, or sulfide gas.
- Do not touch the button with a sharp object.
  - Doing so could result in electric shock or breakdown.
- Do not pull or twist the transmission cable.
  - Doing so could result in fire or breakdown.
- Do not wipe the product with a cloth containing benzene, thinner or others.
  - Doing so could result in discoloration or breakdown. For heavy stain removal, wipe off the stain with a cloth moistened with diluted neutral detergent, and wipe the product thoroughly with a dry cloth to remove the detergent.
- Do not wash the product with water.
  - Doing so could result in electric shock or breakdown.
- Do not touch the button with wet hands.
  - Doing so could result in electric shock or breakdown.
- Do not disassemble the product.
  - Doing so could result in electric shock or breakdown.
- Use the product within the specified operating temperature and humidity range.
  - Ensure that the product operates within the specified temperature and humidity range. Otherwise, serious damage could result. Check the range of the operating temperature and humidity in the installation manual.

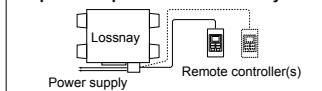
### 2 Component Names



- A [CENTRAL] Display**  
Displayed during remote operation prohibited by centralized control unit, etc.
- B Ventilation mode**  
Displayed the ventilation mode status.  
Heat exchange HEAT EX.  
By-pass BY-PASS  
Automatic (HEAT EX./BY-PASS) HEAT EX. AUTO  
or AUTO BY-PASS
- C Power Display**  
Displayed while the Lossnay remote controller is powered on.
- D [TIMER] Display**  
Displayed on-timer or off-timer duration.
- E [NOT AVAILABLE] Display**  
When a button is pressed for a function which the Lossnay unit cannot perform, this display flashes concurrently with the display of the function.
- F [INTERLOCKED] Display**  
Displayed when the Lossnay starts off by interlocked indoor unit or external signal.
- G Fan speed Display**  
Displayed the selected fan speed.
- H [CHECK] Display**  
Displayed together with the malfunctioning unit (3 digits) and an error code (4 digits).
- I [FILTER] Display**  
Displayed when the accumulated operating time reaches at the time set for filter maintenance.
- J [Ventilation mode] Button**  
Used to select the ventilation mode among heat exchange, by-pass or automatic.
- K [TIMER] Button**  
Increasing 0:30 by pressing it once. Keep pressing the button for fast-forwarding.
- L [ON/OFF] Button**  
Switch for start and stop.
- M Operation lamp**  
On during operation. Flashes when a malfunction occurs.
- N [Fan Speed] Button**  
Used to select the fan speed either "Low" or "High".  
  
Note: If this button is pressed when trying to switch the fan speed of a Lossnay unit which is not equipped with the fan speed adjustment, the fan speed display and NOT AVAILABLE display flash and the unit's fan speed does not change.
- P [FILTER] Button**  
Press twice to reset the filter sign display.

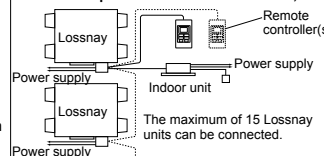
### 3 System Example

#### Independent operation of the Lossnay unit:



- When two remote controllers have been installed, the latest control signal will be given priority.

#### Interlocked operation with air conditioners, etc.:



The maximum of 15 Lossnay units can be connected.

### 4 Mode of Use

#### (1) Independent operation of the Lossnay unit:

Operation	Relevant button	Relevant display items	Sequence
Starting the Lossnay unit			Press the "ON/OFF" button and check that the operation lamp turns on.
Setting the Ventilation mode			Press the "Ventilation mode" button: Each time it is pressed, the corresponding display will change in accordance with the sequence [HEAT EX.] (non-automatic) → [BY-PASS] (non-automatic) → [AUTO]. If [AUTO] is selected, the display will change to indicate the current mode after three seconds have passed.
Selecting the fan speed			Press the "Fan Speed" button to select either Low or High fan speed.
Stopping the Lossnay unit			Press the "ON/OFF" button. (and check the operation lamp turns off.)

#### (2) Timer setting:

Operation	Relevant button	Relevant display items	Sequence
OFF timer			Press the "TIMER" button during operation. 0:30 (Initial) Increasing 0:30 by pressing it once. <b>Available setting time: 0:30 - 24:00</b> * Keep pressing the button for fast-forwarding. Release the button for cancelling the fast-forwarding. Timer setting will be cancelled by pressing "ON/OFF" button.
ON timer			Press the "TIMER" button during non-operation. 5:30 (Initial) Increasing 0:30 by pressing it once. <b>Available setting time: 0:30 - 24:00</b> * Keep pressing the button for fast-forwarding. Release the button for cancelling the fast-forwarding. Timer setting will be cancelled by pressing "ON/OFF" button.

When "CENTRAL" is indicated, timer function is not available.

#### (3) Interlocked Operation with indoor unit or external devices.

The Lossnay unit can be set up in such a way that it may be turned on and off by external devices such as air conditioners. In such case, the remote controller's INTERLOCKED display will be turned on. Note that the selection of ventilation mode and of fan speed can be performed in the same way as for independent operation of the Lossnay unit.

### 5 Maintenance

	Relevant button	Relevant display items	Sequence
Filter reset (Clear of the total operation time)			Press the "FILTER" button twice quickly, then "FILTER" indication will be disappeared.
Cleaning of the Lossnay unit's filter			Perform cleaning of the air filter and the Lossnay core in accordance with the instructions in the user's manual which was provided with the Lossnay unit.
Care of the remote controller			To remove dirt from the remote controller's display window, wipe with a cloth to which detergent has been applied, and then wipe with a dry cloth to remove any remaining detergent. Do not use the following solvents. (They will change the quality and the color.) - Paint thinner, alcohol, benzene, gasoline, kerosene, spray cleaner, cleaning alkali, etc.

### 6 After-Sales Service

- If any of the following inspection numbers should be displayed on the remote controller, please contact the retail outlet from where this product was purchased for more information.  
4000, 5101, 5102, 3602, 3600, 0900
- After-sales servicing of the remote controller unit should be ordered from the retail outlet from where this product was purchased.

### 7 Specifications

Item	Contents
Size	120(H) x 70(W) x 15(D) mm (4-3/4(H) x 2-3/4(W) x 9/16(D) inches)
Weight	0.1 kg (0.22 lbs)
Power supply	12 VDC (supplied from Lossnay unit)
Power consumption	0.3 W
Usage conditions	Temperature: 0 - 40 °C (32 - 104 °F) Humidity: 30 - 90 %RH
Material	PC + ABS

**MITSUBISHI ELECTRIC CORPORATION**

2-7-3 Marunouchi, Chiyoda-ku, Tokyo, 100-8310 Japan