**CENTRAL CONTROL SC-SL4-AE, SC-SL4-BE**

**INSTALLATION MANUAL**

- Please read this manual thoroughly and follow it carefully when carrying out installation work.
- Please refer to the installation manuals for the indoor and outdoor units.
- The product is a precision equipment, so please handle it with enough care to prevent the unit damage due to falling and being dropped.
- Before touching the terminal block, turn off the power supply.

**Safety Precautions**

- Before starting installation work, read the “Safety Precautions” thoroughly in order to ensure you carry out installation correctly.
- Safety Precautions are divided into “WARNING” and “CAUTION”.
  - **WARNING**: Indicates a high possibility that serious injuries or death may occur if the unit is not installed correctly.
  - **CAUTION**: Indicates that serious consequences may occur depending on circumstances.
- Please be sure to follow the instruction.
- After completing the installation, carry out a test run to confirm that no abnormalities occur, and show customers how to use the unit according to the User’s Manual. Please ask customers to keep the Installation Manual on hand.

**WARNING**

- Please ask your dealer or relevant professionals in the area installing the unit or any part of it whether any of the contents may result in defects, which may lead to electric shocks or fire.
- Please install the unit correctly according to the Installation Manual. If any of the installation steps are not followed, electric shocks or fire may occur.
- Be sure to only use the included accessories and specified parts when installing the unit. Otherwise, it may result in a defect.
- The electrical work should be performed by qualified electrical engineers, according to “Electrical Standard”, “Local electrical safety regulations” and wiring specification. If any of the installation steps are not followed, electric shocks or fire may occur.
- When wiring, ensure solid connection and fasten specified cables securely so that terminal connections may not be subject to forceful extra working on cables. Incomplete connection for terminal wiring may cause electric shock and serious damage.

**CAUTION**

- Please perform grounding work. Please do not control the ground wire with gas pipes, water pipes, lightning rod and telephone ground wire. Incomplete grounding may cause electric shock.
- Please do not install the central control at the following places.
  1. Oil fog filled place, oil spraying and steam location such as kitchen, etc.
  2. The place where corrosions are caused by sulfur dioxide gases.
  3. The location with generator that makes radio wave.
  4. It may cause abnormality in the control setting and abnormal turn on.
- The location at risk of flammable gas leaking.
  - Any chance the gas leaks and it accumulates around the equipment, it may cause ignition.

**Applicable Models**

- All models for Superlink

**Accessories**

- Please check the following accessories.
  - Control box
  - Power supply wire 1.25mm²
  - Grounding wire 0.75mm² - 6mm²
  - Shielded wire (double-core, 0.75mm² - 1.25mm²).
  - Control pollution degree is 2.
  - Purpose of control is operating control.

**Instruction Procedure**

1. Take out the screws using a cross slot screwdriver. (Do not close the box)
2. Pull the upper case a little facing upward or at 120°
3. Take out two screws using a cross slot screwdriver. (Do not close the box)

**Electric Wiring**

- For safety reasons, please use the readiness terminals and insulated sleeves for connecting all wires to the central control.

**Wiring Specifications**

- Note 1: If a letter and a number on the cable represent the color and size of the wire, a letter represents the color and a number represents the size (e.g. L1, L2, etc.)

**Installation Work**

- Please install the central control after turning off the power for fear of electric shock.
- Please arrange or protect the wiring so that excessive force is not applied to the electrical wires.
- Please perform grounding work.
- Please do not turn on the power supply (local switch) until all of the work is completed.

**System Wiring**

(1) The upper tier of Terminal Block (*4)

- Power supply (*4-1)
- Power pulse input from gas meter or watt-hour meter
- Demand signal input (I1)
- Operation output
- Malfunction output

(2) The lower tier of Terminal Block

- Period time input (2 points)
- Malfunction output

**Other Information**

- The range of the central control can be set as follows by changing the setting in the communication setting (New SL: 1 system, Previous SL: 3 systems).
- The demand signal input is configured for two points. To configure the range of input, please choose the setting two points. Please refer to “System Wiring” for details.
- The actions of this central control are full-disconnection on operation, a trip-free mechanism which cannot even momentarily be reclosed against the fault, an action which can only be reset by the use of a tool, an action that does not require any external auxiliary energy source of electrical supply for its intended purpose.
- The demand signal input is configured for up to 128 units.

**Installation Position**

- Please arrange the terminal block so that the center of the screws will be at the same height as the eye level of people who are going to control the central control.
- The recommended position is that the center of the installation location is within 1.5. (If dimensions are larger than 1.5.

**Notes**

- Please connect the ground wire to the earth wire that satisfies the local electrical regulations. (Power pulse input from gas meter or watt-hour meter)
- Please check the following terminals. (Do not close the box)
- Please peel off the protection sheet of the screen when you pass the central control to the customers.