INSTALLATION INSTRUCTIONS (CZ-ESWC2)
INFORMATION FOR THE PERSON IN CHARGE OF INSTALLATION (ELECTRICAL) WORK AND SERVICING

Safety Precautions
- Read these Safety Precautions before beginning installation or electrical work, and perform the work only in the correct manner.
- Precautions in this manual are given in the form of "Warnings" or "Cautions." Both types of precautions contain important information related to your safety, the safety of others, and the correct operation, installation, or maintenance of the air conditioning system. Be sure to carefully observe all relevant precautions.

![CAUTION] This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.

![WARNING] This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.

When installation work is completed, perform a test run and check that no trouble occurs. Also be sure to explain the methods for using the product to the customer, and store the "Information for the Person in Charge of Installation (Electrical Work and Servicing)" together with the Operation Manual.

- Request installation and electrical work only from the dealer or a qualified air conditioning specialist.
- Attempting to carry out installation work on your own, and doing so incorrectly, may result in electrical shock, fire, or other hazards.
- Installation procedures must be performed correctly, carefully following the instructions in this document.
- Failure to do so may result in electrical shock, fire, or other hazards.
- Electrical work must be performed by a qualified electrician. It must be performed in accordance with technical standards related to electrical equipment, interior wiring regulations, local codes, and the contents of these instructions.
- Insufficient power circuit capacity or improper electrical work may result in electrical shock or fire.
- Use only the designated cables for wiring, and connect them securely. Fasten the case, etc. to your safety, the safety of users, and the correct operation, installation, or maintenance of the air conditioning system. Be sure to carefully read the instructions in this document.

![WARNING] Miswiring will damage the schedule timer. Check that the schedule timer wiring and power wiring are connected correctly. (Note 5)

When mounting the back case to the electrical junction box, tighten the screws securely until the screw heads touch the back case. Otherwise, a loose screw head may damage the PCB on the back of the top cover when it is installed onto the back case. But do not over-tighten the screws. Over-tightening may deform the back case and cause the unit to fall.

![CAUTION] For used in North America, remove the wiring for earth (green) on the back case.

Installing the Schedule Timer

1. Open the panel on the schedule timer unit. Insert a standard (flat-head) screwdriver or similar tool into the notch at the bottom of the schedule timer unit to open and remove the back case.
2. Use the 2 supplied M4 small screws and install the schedule timer back case onto the switch box. Before installing, use a screwdriver or similar tool to press on and open the screw holes that correspond to the Electric junction box that is used. When fastening the case, use spacers and do not tighten the screws too much. If the schedule timer does not fit tightly against the wall, the spacers are as required to make adjustments.
3. Connect the supplied power wire (2-core) and inter-unit control wire (3-core) to the schedule timer unit. (Refer to "Wiring the Schedule Timer").
4. Align the schedule timer unit with the tabs on the back case and press to install it.

Installation of connected schedule timers
When installing schedule timers (remote controller switches, system controllers, etc.) onto the wall, use the method shown in Figs. 3 and 4.

![WARNING] The length of the power wiring must be no more than 100 m. Note: The inter-unit control wires are pink + blue + blue (using wire joint clipping). Use pink + blue wires.

- Wiring
- The schedule timer wiring can be connected by the following two methods. Select one of these connection methods according to the actual installation location.

- When installing multiple schedule timers, avoid the use of cross-over wiring.
- Connection diagram (Be sure to use the provided wires as the power wiring.)

If a system controller is also installed:
- When installing schedule timers, be sure to use the provided wires as the power wiring in combination with a system that does not utilize remote controllers.

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- When installing multiple schedule timers, avoid the use of cross-over wiring.
- Connection diagram (Be sure to use the provided wires as the power wiring.)

If a system controller is also installed:
- When installing schedule timers, be sure to use the provided wires as the power wiring in combination with a system that does not utilize remote controllers.
Complete the switch settings before turning ON the schedule timer power.

**Remote Controller Disable Item Switches (2, 3, 4)**

When timer remote controller disable is used, set the remote controller disable item switch according to the items for which remote controller operation will be disabled.

**Remote controller disable not used**

- **Function**: Central 1 – 4
- **Operation mode**: Central 1 – 4
- **Temperature setting**: Central 1 – 4
- **Temperature setting + Start/Stop**: Central 1 – 4
- **Operation mode + Start/Stop**: Central 1 – 4
- **Remote controller disable not used**: Central 1 – 4

**Timer Group Settings (2, 3)**

- **Function**: Central 1 – 4
- **Operation mode**: Central 1 – 4
- **Temperature setting**: Central 1 – 4
- **Temperature setting + Start/Stop**: Central 1 – 4
- **Operation mode + Start/Stop**: Central 1 – 4

**Timer Group Main/Sub Switching (4)**

- **Sub**: OFF
- **Main**: ON

**Central Control Address Settings (5, 6, 7)**

- **Address 1**: Central 1 – 4
- **Address 2**: Central 1 – 4
- **Address 3**: Central 1 – 4
- **Address 4**: Central 1 – 4
- **Address 5**: Central 1 – 4
- **Address 6**: Central 1 – 4
- **Address 7**: Central 1 – 4
- **Address 8**: Central 1 – 4

**Schedule Timer Address Settings (6, 7, 8)**

- **Address 1**: Central 1 – 4
- **Address 2**: Central 1 – 4
- **Address 3**: Central 1 – 4
- **Address 4**: Central 1 – 4
- **Address 5**: Central 1 – 4
- **Address 6**: Central 1 – 4
- **Address 7**: Central 1 – 4
- **Address 8**: Central 1 – 4

**Remote Controller Enable Items (1)**

- **If remote controller enable/disable is used, this switch sets the range for remote controller enable (cancel).**
- **Enable only the items that can be controlled with the remote controller.**

**Holiday and Operation Disable Settings for Each Group (8)**

- When this switch is enabled, units are all controlled together. When the switch is OFF, the units are controlled by the settings for each timer group.

**Procedure for making fixed timer group settings (fixed groups)**

1. First, use a different central control device (system controller or other wired remote controller) to set the central control addresses, as assigned in the figure above, to the indoor units that will be subject to group timer control.
2. Next, use S41 switches 2 and 3 to set the number of timer groups you wish to create.
3. Finally, turn ON the schedule timer power. Initial communications are performed. (SCAn blinks in the display.) The normal display appears after several minutes, and the timer group settings are confirmed.

**Procedure for making manual timer group settings (manual group assignments)**

Manual timer group settings allow central control addresses to be assigned freely within the timer groups.

1. Turn ON S41 setting switches 2 and 3, then turn ON the power. Restart and initial communications are performed. (SCAn blinks in the display.)
2. The normal display appears after several minutes.
3. When the normal display appears, press and hold the schedule timer **S** button, the timer **S** button, and the **X** button for 4 seconds or longer. “AD” appears blinking, in the current display. (Ad indicates "address" and 01 is the central address number.)
4. Use the **CRD** button in the **X** area to select the timer group. Then press the **S** button in the **S** area to select the central control address to assign and register for that timer group. Press the **SET** button to register the selected central control address.
5. To continue registering addresses, repeat step 3. (Central control address numbers will be added to the right side of the LCD display.) To cancel a registered central control address, use the **CRD** button in the **S** area to select the central control group and press the **SET** button.
6. Repeat steps 3 – 4 for each timer group. When registration is completed, press the **SET** button. The schedule timer automatically and performs initial communications. (SCAn blinks in the display.) The normal display appears after several minutes, and the manual timer group settings are confirmed.

**Memory Backup Switch**

After installation is completed, check that the backup switch on the reverse side of the schedule timer PCB is turned ON. (The backup battery will retain the current time for up to 100 hours.)

**Checking the Central Control Addresses and Operating the Units that are Controlled by the Schedule Timer**

The schedule timer communicates with the indoor units to check which central control addresses can be controlled with the current timer control. The schedule timer can then be used to start and stop these units.

1. Press and hold the schedule timer **S** button, **CRD** button, and **CLEAR** button for 4 seconds or longer. “Ad (central control address)” appears in sequence, blinking.
2. Use the GROUP button in the **S** area to display the blinking central control addresses in sequential order. In this way, it is possible to check which central control addresses in the displayed timer group can be operated by the timer.
3. With the selected timer group displayed, press the timer **S** button. Each time the button is pressed the indoor units in the displayed timer group start or stop. Pressing the **S** button in this mode permits all items (operation start/stop, operation mode, temperature setting items) at the indoor units in the displayed timer group where remote controller prohibit is in effect.
4. After checking the addresses and operating the units, press and hold the **CANCEL** button for 2 seconds or longer. The schedule timer display returns to the normal display and all controllable indoor units stop.

**Explanation to Customers**

- After work is completed, present the Operation Manual and information for the Person in Charge of Installation (Electrical) to the customer.
- Explain to the customer the methods for use of the system, as described in the Operation Manual.

**Installation Work Plan**

- Use the wired remote controller to check the unit No. of the indoor units (Start the A/C unit with the wired remote controller, then press the remote controller UNIT SELECT button once to display the unit No. of the master unit.)