SIEMENS

FDUL301 Logic address writer
Product manual

General

The FDUL301 Logic address writer (referred to as the “address writer”) is a portable tool for writing addresses to devices and for reading information from devices.

Features

- Compact and portable, designed for handheld use
- Combines menu display and keypad, simple to operate
- Backlit LCD screen and adjustable display contrast
- Powered by an external power source via Type-C port, or by a battery pack
- Low battery alert
- Operation tone can be turned on/off
- Low power consumption and long battery life
- Battery power protection mode, with automatic shutdown when not operating for a long time
- Continuous address writing (address incremented by 1)
- Writes multiple addresses (available in mainland China market only)

Delivery scope

The package includes:

Address writer	1 pc
Pin head coding wire	2 pcs
Alligator clip coding wire	1 pc
Quick connect clamp	1 pc
Product manual	1 copy

Product design

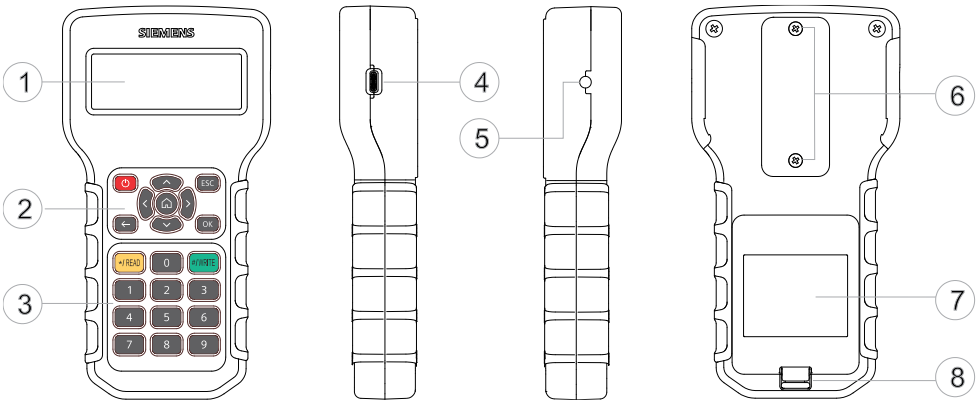


Fig. 1

1	Display	5	Coding wire plug connector
2	Function keys	6	M4 × 16 Screws (for mounting detector base)
3	Number keys	7	Product label
4	Type-C port	8	Battery cover opening

Connection Diagram

Connect the device to be addressed (the device) to the address writer using the coding wire:

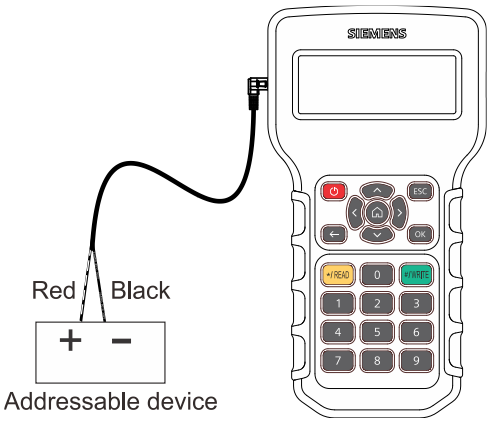


Fig. 2

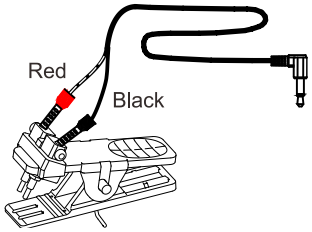
Note:

1. The red pin head/red wire clip connects to the positive terminal of the device (marked with a (**+**) sign, P, or 1b at the device terminal). The figure below shows the end of the wire that connects to the red pin head/red wire clip.

2. The black pin head/black wire clip connects to the negative terminal of the device (marked with a (-) sign, S, or 5/6 at the device terminal). The figure below shows the end of the wire that connects to the black pin head/black wire clip.

3. “Connection error” displays in the event of a connection error. Verify the following:
   Polarity of the two wires is not reversed;
   No short-circuit condition;
   No connection to panel detection line or loop.

There are two types of coding wires: pin head coding wires and alligator clip coding wires. The pin head coding wires can also be used with quick-connect clamps. Different coding wires can be used depending on terminal types (see table below):

Coding wire	Terminal type		
(Pin head coding wire)	✓	✓	✓
(Alligator clip coding wire)			✓
 (Pin head coding wire + quick connect clamp)	✓	✓	✓

Mounting

- Connect the device to the address writer (see Fig. 2).
- If the device is a detector and needs to be connected to the address writer via a detector base:
    a. Remove the screws from the back of the address writer.
    b. Use the removed screws to fix the detector base to the back of the address writer (see Fig. 3).
    c. Mount the detector on the base.

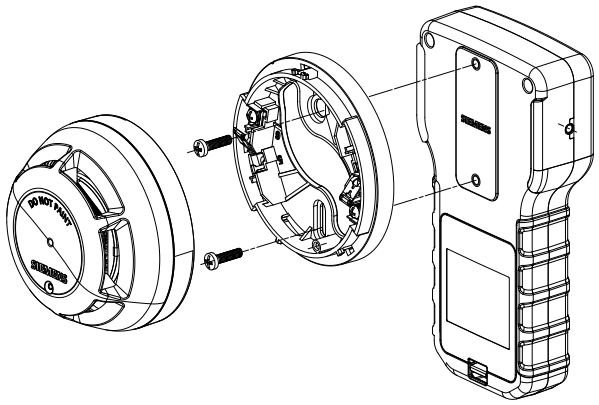


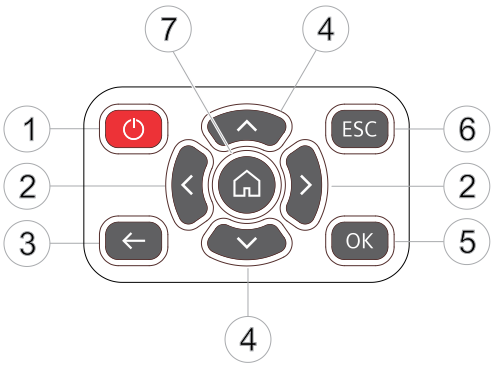
Fig. 3

Operation

- **Turn the device on/off**

When powered via the Type-C port, the address writer turns on automatically upon Type-C connection and remains on. To turn off the address writer, disconnect the Type-C connection. If the address writer is battery-powered, first load 4 AA batteries correctly according to the polarity marking, and then long press to turn on/off the power.

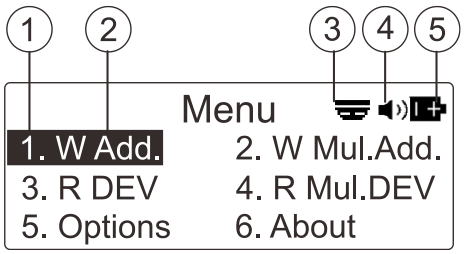
● **Function key operation**



Number	Key name	Description
1	Power key	• Works when the address writer is battery powered. • Press and hold for 3 seconds to turn on/off the address writer. The address writer automatically powers off when there is no operation within 10 minutes after power-on. • A short press turns on or off the backlight. The backlight automatically turns off when there is no operation within 30 seconds after the backlight is turned on. **Note**: Press any key to turn the backlight on again. This action does only apply to the backlight and not the normal function of the specific key pressed.
2	Left and right arrow keys	• Main menu interface: Toggles the focus on menu item left or right. • Parameter setting interface: Scrolls left or right to select parameter values. • Address editing interface: Moves the focus position forward and backward. • Multi-address interface: Switches to another device.
3	Backspace/Delete key	• Address editing interface: Deletes one digit forward.
4	Up and down arrow keys	• Main menu interface: Moves the focus on menu item up or down. • Address editing interface: Increases or decreases address code number by 1. • Pages up or down for multiple pages.
5	Confirmation key	• Main menu interface: Confirms the selection of a menu item and enters the corresponding sub-menu interface. • Address editing interface: Confirms the address/enter address editing state.
6	Return key	• Sub-menu interface: Returns to higher-level menu. • Address editing interface: Exits address editing state.
7	Main menu key	• Enters/returns to the main menu.

● **Main menu page overview**

After powering on, the display lights up and the start-up page displays for 3 seconds, followed by the main menu page, with the focus on the first menu item by default. The menu structure on the screen is illustrated as follows:



1	Menu number
2	Menu name: • Press the corresponding number to open a menu directly or scroll to the menu and press OK. • Press the Read key */READ to quickly enter the "R DEV" menu to read device information. • Press the Write key */WRITE to quickly enter the "W Add." menu to write an address.
3	Device connection status icon: The screen displays if a single address device is connected to the address writer and if multiple addressable devices are connected to the address writer.
4	Operation tone on/off status icon: The screen displays if the operation tone is on and if off.
5	Power supply icon: If the device is battery powered, displays and if the device is powered via the Type-C port,

- **Write an address to a device**

1. Ensure that the address writer and the device are properly connected and installed. See also "Mounting".
2. Enter the "W Add." menu:
   - To write a new address directly, press the Write key */WRITE or OK.
   - To change an existing address, enter the new address directly and then press the write key */WRITE or OK to confirm.
   - After a successful write operation, the address writer beeps (if operation tone is turned on) and the address writer displays "Success". If the write operation fails, the address writer beeps three times (if operation tone is turned on) and the message "Failed" displays.

When the address writer is powered on, the default write address is 1. After a successful write operation, the default address increases automatically by 1. The default address code number cycles back to 1 once when it reaches 252.
Check that the device is properly connected to the address writer if the write operation fails.

- **Write multiple addresses**

1. Ensure that the address writer and the devices are properly connected and installed.
2. Enter “W Mul. Add” menu.
3. Press the left and right arrow keys to switch among devices (the left and right arrows on the screen are solid (◀▶) to indicate available devices for addressing). The indicator for the current device blinks. Press the write key */WRITE to write the new address directly. To change the address, press the OK key or any number key to enter the editing state (the arrows become hollow (◁▷)), and then follow Step 2 of the "Write an address to a device ".
4. Repeat step 3 until all connected devices are addressed.

- **Read device information**

1. Ensure that the address writer and the device are properly connected and installed.

2. Enter the "R DEV" menu. Device information displays, e.g., device type, device ID, device address, etc.

- **Read information for multiple devices**

1. Ensure that the address writer and the devices are properly connected and installed.
2. Enter the "R Mul.DEV" menu.
3. Press the left and right arrow keys to switch among devices; current device blinks. The information for the selected device displays, e.g., device type, device ID, device address, etc.

- **Adjust display contrast**

When the device is turned on, wait until the adjustable contrast displays on the screen, and press the left and right arrow keys to adjust the contrast. Or:

1. Enter the "Options" menu.
2. Press the up or down arrow key to select the contrast value (the left and right arrows on the screen are solid, i.e., the value is selected).
3. Press the left and right arrow keys to adjust the contrast.

- **Enable/disable beeping**

1. Enter the "Options" menu.
2. Press the up or down arrow key to select the value of the "Sound" parameter (the left and right arrows on the screen are solid to indicate that the “Sound” parameter is selected).
3. Press the left or right arrow key to turn the beep on or off.

- **View information about the address writer**

Enter the "About" menu. The menu displays information about the address writer such as unit model, software version, company name, etc.

- **Battery replacement**

Remove the batteries if the address writer will not be used for an extended period. Replace the battery promptly after the low battery alert. When replacing the batteries, make sure to install the 4 AA batteries correctly according to the polarity.

Note:

- Keep batteries away from water and make sure the batteries are not damaged or disassembled. Do not combine new batteries with old ones.
- Comply with local requirements, regulations, and laws, and adhere to battery manufacturer's instructions on the storage, transportation, and disposal of batteries.

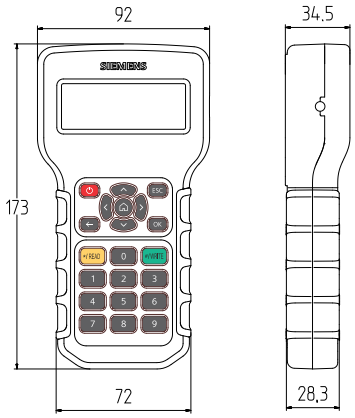
Parameters

Operating power supply	AA Battery × 4, or via the Type-C port for external power (DC 5 V)
Input voltage (powered via the Type-C port)	DC 5 V
Input Voltage (battery powered)	4 × 1.5 V
Operating temperature	-10...+40 °C
Storage temperature	-20...+60 °C (without battery)
Relative humidity	≤90 %

Additional notes

- After plugging the coding wire into the address writer, do not connect the other end of the coding wire to any energized device.
- To replace the detector base mounting screws, use M4 × 12~18 (without screw cap) screws.
- The address writer supports only Siemens products. Do not use it with other manufacturers' products.
- For a list of compatible devices, see document A6V14034653.

Dimensions (mm)



Ordering Information

Model No.	Order No.	Name	Weight
FDUL301	S54449-F223-A1	FDUL301 Logic address writer-EN	192 g (net weight) 382 g (gross weight with accessories and packaging)

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