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TOPENS TC188

TOPENS TC188 Universal Keypad Instruction Manual

Model: TC188 | Brand: TOPENS

1. Product Overview

The TOPENS TC188 Universal Keypad is a versatile keyless entry system designed for automatic swing and sliding gate openers, as well as garage door openers. It offers both wired and wireless connection modes, providing enhanced security and convenience for controlled access.



Figure 1: TOPENS TC188 Universal Keypad

This image shows the TOPENS TC188 Universal Keypad with its protective cover open, revealing the numeric keypad. A hand is shown pressing one of the keys, indicating its interactive nature. The keypad is black and features a clear, easy-to-read button layout.

Key Features:

- **Universal Compatibility:** Works with all TOPENS gate openers and most third-party gate/garage door openers accepting "Normally Open Dry Contact" signals.
- **Flexible Modes:** Supports both wireless and wired operation for diverse installation needs.

- **Enhanced Security:** Allows up to 64 individual 4-digit access codes, including temporary and permanent options.
- **Durable Design:** Weather-resistant construction suitable for all seasons, with an LED backlight for low-light conditions.
- **Long Battery Life:** Battery lasts up to 2 years with typical usage (5 activations per day).
- **Dual Channel:** Can control two different openers separately.

2. Safety Information

Please read and understand all safety instructions before installing and operating the keypad. Failure to follow these instructions may result in serious injury or property damage.

- Ensure the power to the gate or garage door opener is disconnected before performing any wiring or installation.
- Keep the keypad out of reach of children.
- Do not allow children to play with the keypad or the gate/garage door opener.
- Only use the keypad for its intended purpose as described in this manual.
- Regularly inspect the keypad for any signs of damage or wear.

3. Package Contents

Verify that all items listed below are included in your package:

- TOPENS TC188 Universal Keypad
- 9VDC Carbon Battery (pre-installed or included separately)
- Mounting Screws and Anchors
- Instruction Manual

4. Installation

The TC188 keypad offers both wireless and wired installation options. Choose the mode that best suits your needs.

4.1 Wireless Mode Installation

The wireless mode is recommended for simpler installation with fewer wire connections. Ensure the included 9VDC carbon battery is properly installed.



Figure 2: Wireless Mode Keypad Usage

This image illustrates the TOPENS TC188 keypad being used in wireless mode next to a gate. It highlights the convenience of keyless operation and shows the keypad's ability to control two swing gate openers separately, along with features like advanced security code and fast programming.

For third-party gate openers in wireless mode, an additional TOPENS ERM12 External Receiver (sold separately) is required to connect to the control panel.

4.2 Wired Mode Installation

The wired mode is suitable for locations where frequency interference may occur or where the control box is installed far from the gate operator. The TC188 keypad can be powered by 9-24VAC/DC from the control panel or an external power supply.

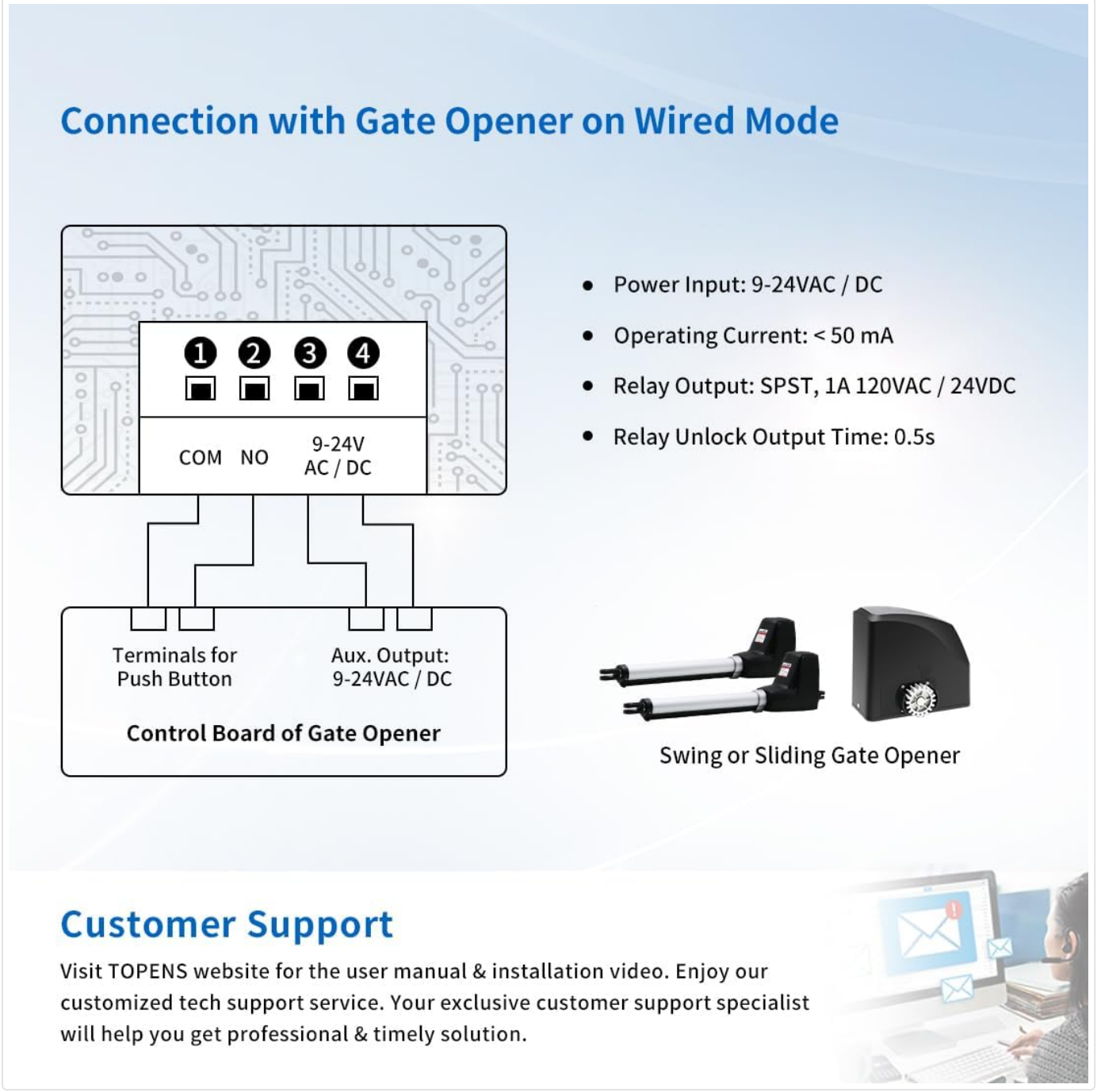


Figure 3: Compatibility Check for Third-Party Gate Openers (Wired Mode)

This diagram shows how to check compatibility for third-party gate openers using the wall push button terminal. It also illustrates the wiring for both wired and wireless modes, emphasizing that the ERM12 External Receiver is not included for wireless third-party connections.



Figure 4: Connection with Gate Opener on Wired Mode

This detailed diagram shows the wiring connections for the TC188 keypad to a gate opener's control board in wired mode. It specifies power input (9-24V AC/DC), operating current (< 50 mA), relay output (SPST, 1A 120VAC / 24VDC), and relay unlock output time (0.5s).

5. Programming and Operation

This section covers how to program your TC188 keypad and use it to operate your gate or garage door opener.

5.1 Adding a New Permanent Entry Code

Before programming the TC188 keypad with your gate opener, a "New Permanent Entry Code" must be added to the keypad itself. This code will be used for operation.

As an example, to add "1234" as a new permanent entry code, press:**SET 9999 SET 02 SET 1234 SET 1234 SET**

Refer to the video below for a visual guide on programming and operation:

Your browser does not support the video tag.

Video 1: The Connection Video of TC188 Universal Keypad

This video provides a comprehensive guide on connecting and programming the TOPENS TC188 Universal Keypad, demonstrating both wireless and wired modes, and showing how to add entry codes and operate a sliding gate opener.

5.2 Pairing with Gate/Garage Door Opener (Wireless Mode)

1. Input the entry code (e.g., "1234").
2. Press the LEARN button on your gate/garage door opener's control board.
3. Within 2 seconds, press button A (or B) on the keypad twice, holding it for a moment between presses.
4. The LEARN LED on the control board will flash, indicating successful programming.

5.3 Operating the Gate/Garage Door

Once programmed, use the entry code to open or close the gate. For example, press "1234 A".

After inputting the entry code, you can operate the gate without re-entering the full code by pressing the programmed button A within 3 seconds.

To stop the gate at any point, press button A again.

6. Maintenance

- **Battery Replacement:** The keypad is powered by a 9VDC carbon battery. If the backlight dims or the keypad becomes unresponsive, replace the battery. To replace, open the keypad cover, remove the old battery, and insert a new one, ensuring correct polarity.
- **Cleaning:** Clean the keypad surface with a soft, damp cloth. Avoid using abrasive cleaners or solvents.
- **Environmental Protection:** The keypad is weather-resistant, but extreme conditions may affect performance. Ensure the protective cover is closed when not in use.

7. Troubleshooting

Problem	Possible Cause	Solution
Keypad not responding.	Low or dead battery. Incorrect entry code. Not properly programmed.	Replace the 9V battery. Verify the entry code. Re-program the keypad with the opener.
Gate/door does not open/close.	Keypad out of range (wireless). Wiring issue (wired). Opener malfunction.	Move closer to the opener. Check wired connections. Consult your opener's manual for troubleshooting.
LED backlight not working.	Battery issue.	Replace the 9V battery.

8. Specifications

Product Dimensions: 4.53 x 2.76 x 1.57 inches

Item Weight: 14.4 ounces

Item Model Number: TC188

Batteries: 1 x 9V battery required (included)

Brand: TOPENS

Special Feature: Universal

Color: Black

Max Number of Supported Devices: 1 (per channel, dual channel transmitter)

Compatible Devices: Gate Openers, Garage Door Openers

Country of Origin: China

9. Warranty & Support

TOPENS is committed to providing high-quality products and professional, timely service. Your TC188 Universal Keypad comes with a standard warranty as per purchase terms.

For detailed warranty information, technical support, or to access the official user manual PDF, please visit the TOPENS website or refer to the provided PDF document:

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For any inquiries or assistance, please contact TOPENS customer support. We are dedicated to making automatic gate operators smarter, safer, and easier to use.

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