

### Wireless Garage Door Module

# INSTALLATION AND SETUP GUIDE

## INTRODUCTION

The 5800GDO Wireless Garage Door Module provides 1 form-C relays and operates in conjunction with 4-button 5800 Keyfob transmitters such as the 5804 and 5804E. The 5800GDO allows up to 8 wireless keys to control a garage door opener. When DIP switch 6 in the OFF position, the relay momentarily changes state when an enrolled button is decoded (pulsed relay mode). If DIP switch 6 is OFF when power is applied, the relay is always forced to the reset state (NC and COM contacts connected). When DIP switch 6 in the ON position, the relay changes state each time an enrolled button is decoded (toggled relay mode). If DIP switch 6 is ON when power is applied, the relay state is not changed. The 5800GDO is powered from a 12VDC or 9VAC external power source.

## POWERING THE 5800GDO

The 5800GDO can be powered from either an AC or DC external power source rated and connected as follows (see Figure 2 for connections):

### Power Sources

Type	Rating	Connection
AC	9VAC, 15VA (e.g., ADEMCO 1332)	terminals 7 and 8
DC	12VDC, 100mA	First cut the connector off the unit's cable, then strip the wire ends and connect to terminals 7 and 8.

**NOTE:** Use of power sources with higher or lower voltages may result in damage or a failure to operate properly.

## RELAY and LED OPERATION

The 5800GDO provides one, dry contact, form-C relay (SPDT, rated 2A, 28VAC/VDC). the yellow LED, located above the DIP switch, monitor the relay activity as shown below:

### Relay and LED Functions

Relay	LED	Activates Upon...
A	Yellow	Relay state: ON = NO contact connects to COM OFF = NC contact connects to COM When DIP switch 6 in the OFF position, the relay momentarily changes state when an enrolled button is decoded. If DIP switch 6 is OFF when power is applied, the relay is always forced to the reset state (NC and COM contacts connected). When DIP switch 6 in the ON position, the relay changes state each time an enrolled button is decoded. If DIP switch 6 is ON when power is applied, the relay state is not changed.
N/A	Red	Key enrollment/erase indicator (see sections for Enrolling RF Transmitters and Deleting All RF Transmitters)
N/A	Green	Normally on when power is applied. Flickering indicates RF decode activity.

## MOUNTING LOCATION GUIDELINES

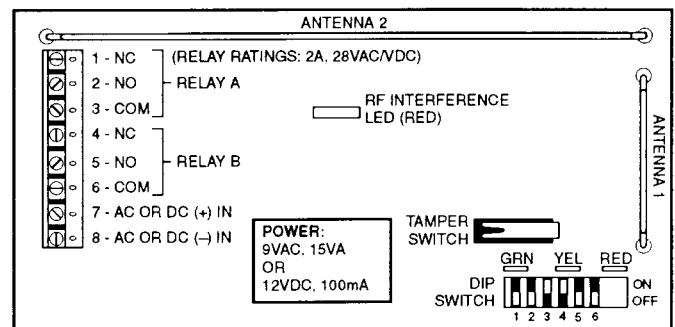
Use the following guidelines when selecting a mounting location for the 5800GDO Garage Door Module:

- Mount the 5800GDO in a high location for best wireless reception.
- Do not mount the 5800GDO on or near metal objects. This decreases range and/or blocks wireless transmissions.
- The 5800GDO must be located at least 10 feet from any remote keypads to avoid interference from the microprocessors in those units.

## WIRING AND MOUNTING

**IMPORTANT:** Before permanently mounting the 5800GDO, you must perform the setup procedure described in the *Setting Up the 5800GDO* section.

1. Remove the 5800GDO's cover (insert the blade of a small screwdriver in the slot at the cover's top end and twist).
2. Disconnect any wiring already connected to the module.



(Remove Tamper Switch and contacts for Relay B.  
Place downwards arrow to the right of DIP sw. 6)  
**Figure 2. Connection Diagram**

3. Hold the module in the desired mounting position and mark the mounting hole locations through the two mounting holes in the base of the module. Screws and plastic anchors are suitable for a typical installation, but any two suitable fasteners may be used that secure the base *firmly* to the mounting surface.

**Note:** The external power supply unit should be mounted in close proximity to the 5800GDO. This avoids voltage losses that occur on long power lines.

4. Connect relay and power wiring to the 5800GDO's terminals. Refer Figure 2.
5. Place the front cover over the module, position the wiring in the exit slot, and snap the cover in place. The 5800GDO module should now be tested with the rest of the system.