



HANGARBOT

HangarBot Door Controller INSTALLATION MANUAL DCN-8000-17-v1

www.hangarbot.com

DCN-8000-17-v1
February 2018



HANGARBOT

1. Introduction	2
2. Overview:	2
3. Installation	4
4. Wiring Installation Steps- For Electrician/Installers	5
5. Housing installation	6
6. HangarBot App	6
7. Recommended Tools/Supplies	8
8. Specifications:	8



1. Introduction

Included in this package:

1. Door Controller unit
2. Power Cord
3. New wires



Figure 1

2. Overview:

The Hangarbot Door controller is used inline with the existing momentary contact three button control station of the hangar door as shown in Figure 2:



Figure 2



HANGARBOT

The hangarbot door controller ensures that no motor load current will pass through, only low voltage DC for signaling. The controller has 5A relays to control the hangar door motor.

The controller is connected to Hangarbot App through the hangarbot HUB and enables the operator to do the following directly from the APP: (see section 6 to add to your APP)

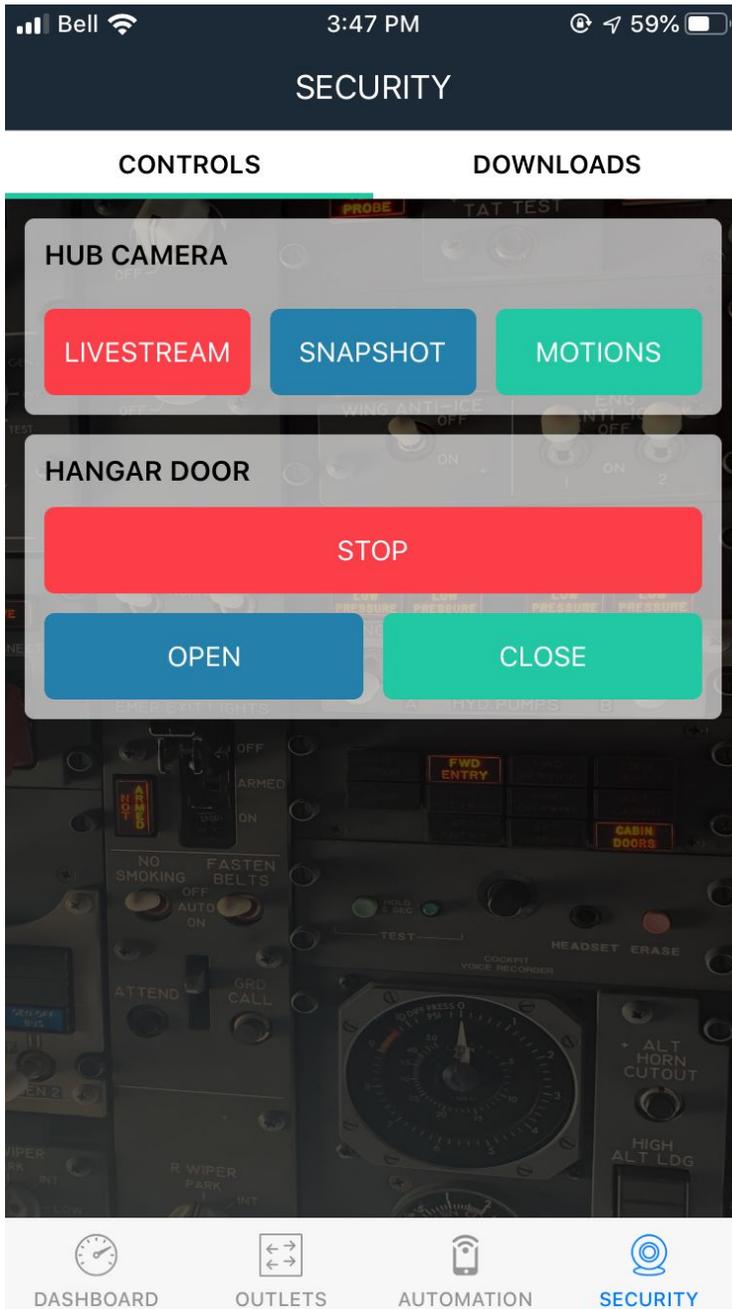


Figure 3

STOP: stop the hangar door (opening or closing)

www.hangarbot.com



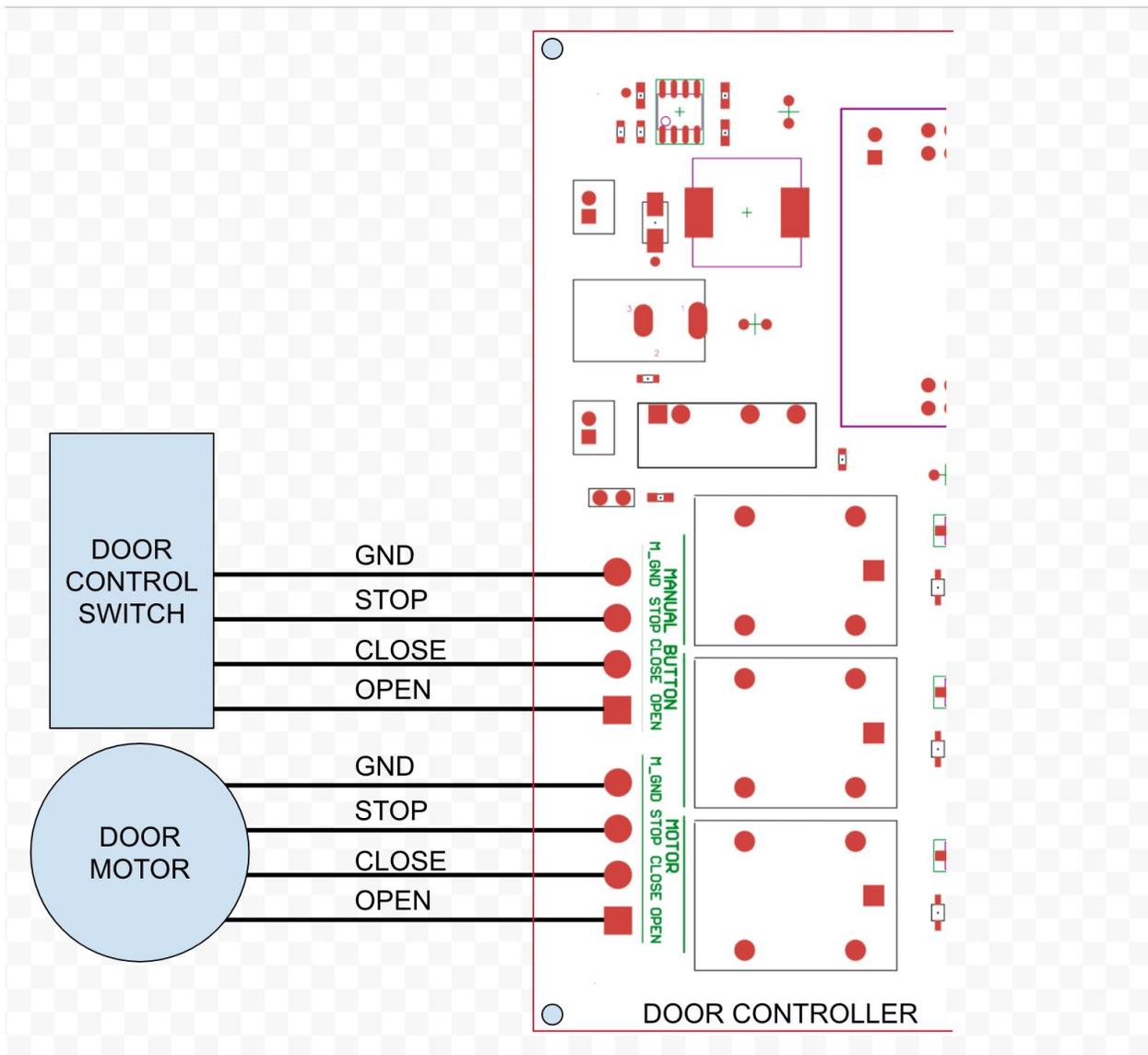
HANGARBOT

OPEN: open the hangar door
CLOSE: close the hangar door

Note1: if the operator sends multiple OPEN/CLOSE/STOP commands, the door controller will acknowledge the last command only

3. Installation

The wiring diagram below (figure1) shows the general wiring configuration, including connections to existing switch and hangar door motor



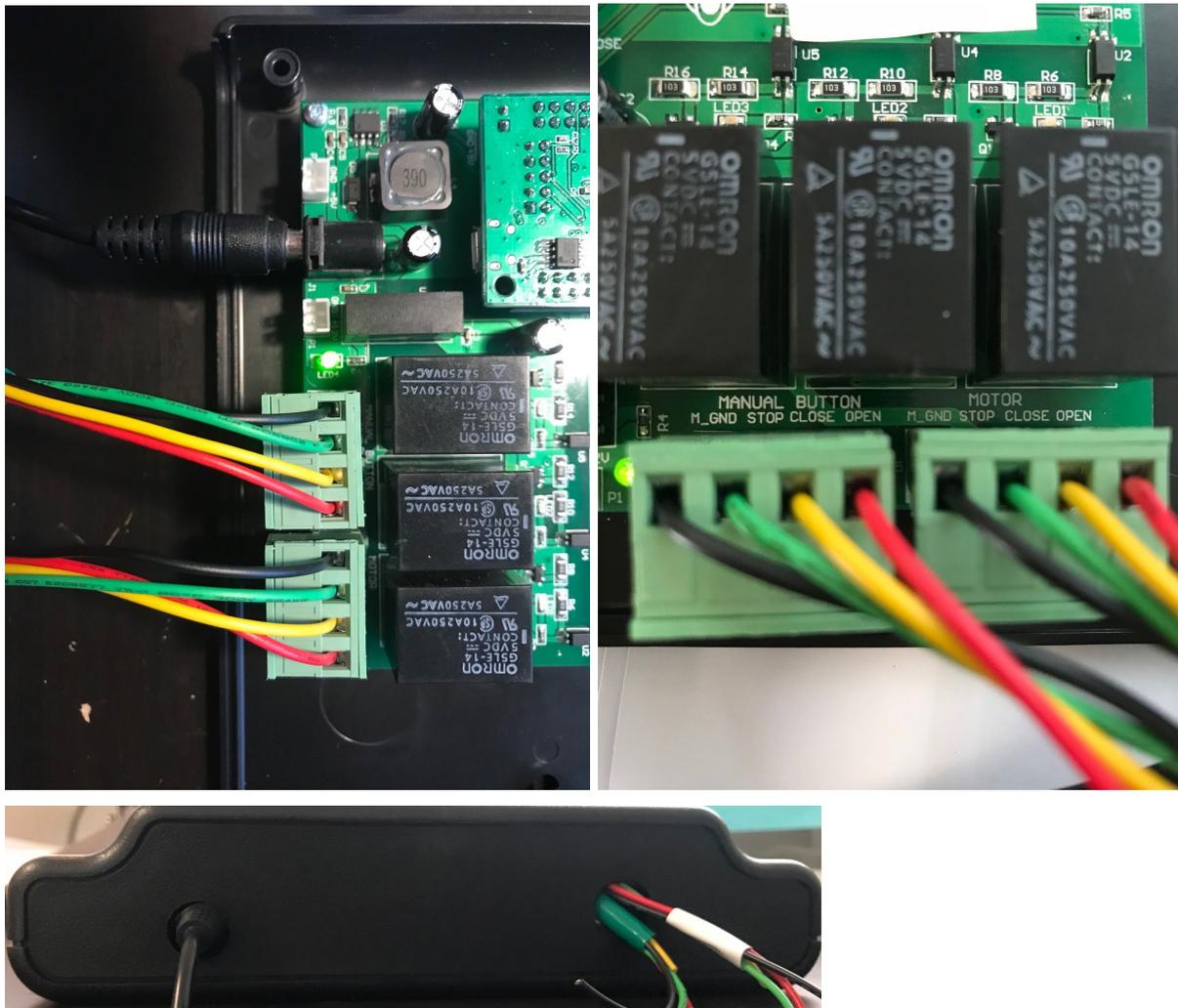


Figure 4

4. Wiring Installation Steps- For Electrician/Installers

- Disconnect all power to the hangar door (breaker, relay ..etc)
- Open the Hangarbot door controller cover
- Connect M_GND door controller to switch GND terminal using new wire
- Connect STOP door controller terminal to switch STOP terminal using new wire (color)
- Connect CLOSE door controller terminal to switch CLOSE terminal using new wire



HANGARBOT

- Connect OPEN door controller terminal to switch OPEN terminal using new wire
- Connect motor GND terminal to M_GND door controller
- Connect motor STOP terminal to STOP door controller terminal
- Connect motor CLOSE terminal to CLOSE door controller terminal
- Connect motor OPEN terminal to OPEN door controller terminal
- Use the second hole on the right side of plate for wire access
- Close the hangarbot door controller cover
- Connect all power to the hangar door
- Connect power to the door controller using the enclosed power adapter
- Installers may drill additional hole on the right side of the plate, opposite to the power cord.

5. Housing installation

- If the hangar walls have metal, mount the door controller using the magnets on the back of the unit
- If the hangar walls don't have metal, use the key holes shown below:



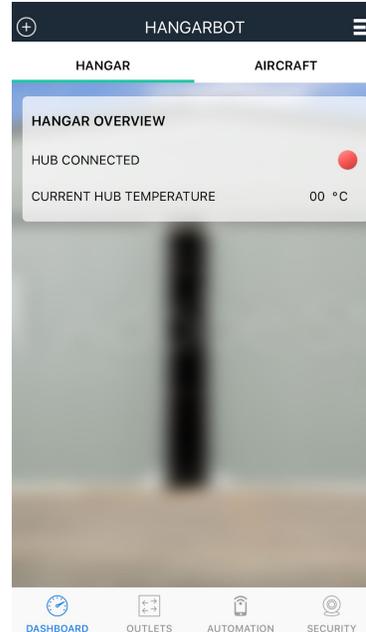
Figure 5

6. HangarBot App

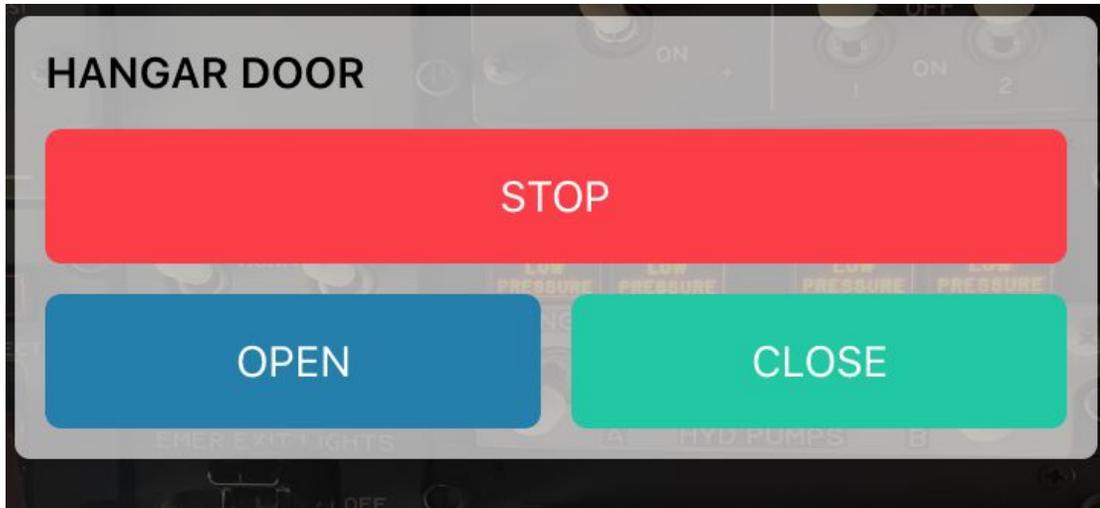
- Add Door controller
 - Door controller and hub needs to be plugged in while pairing the door controller to hub
 - Add a new device under “DASHBOARD” or “CONTROLS” or MENU option
 - Type in the device id found on the back of the door controller:



HANGARBOT



- Go to SECURITY option in the app
- You should have the following options:



- Test OPEN or CLOSE options to ensure the door controller installation is done correctly
- Test STOP to ensure the door controller installation is done correctly

** to ensure open and close will work as expected, please select STOP before opening or closing the door.

7. Recommended Tools/Supplies

- Phillips Head/Flathead screwdriver
- 22 AWG gauge wire
 - Prefer green, yellow, red, and black
- Wire Stripper
- Terminal wire connector
- Crimp lugs
- Crimp tool
- Drill if necessary

8. Specifications:

Operating Temperature	
Dimensions W x L x H	5 x 7.5 x 1.75 in.
Weight	300g
Input Voltage	12V @ 1.5A



HANGARBOT

Min.Current Draw	0.15A
Relay Ratings	5A @ 250VAC