



## Installation Instructions for Part # 19443 Push Button Limit Switch Kit (1 Switch w/ Bracket)

### Kit Includes:

1 #19441 switch	1 #16323 2-hole Wire gland	1 #16325 Locknut for wire gland
1 #19448 mounting bracket	2 #18110 Self Drilling Bolt	2 #16118 18 ga. terminal

### You will need:

- 1) You will need to provide or fabricate something to trip each limit switch. This will vary depending upon where the switches are installed and what type of device they are controlling.

### Pre-Install:

- 1) Decide which function you want to control with this switch. The switch included with this kit may be used to limit 1 motor's travel in 1 direction.
- 2) Determine which "channel" this function coincide with on your remote keyfob. The keyfob buttons are labeled I-VI (1-6). Write down which channel will correspond to the switch.

- Switch 1 controls Channel \_\_\_\_\_

### Installation Instructions:

- 1) Determine where you will mount the limit switch. To use the included wires, the limit switch should be mounted within 15' of the control box.
- 2) Disconnect the battery wires feeding the control box.
- 3) Unscrew and remove the 3 rubber switch boots.
- 4) Remove the 3 rubber o-rings around the switch necks.
- 5) Unscrew and remove the 6 screws securing the control box lid.
- 6) Carefully lift the lid 2"-3" and disconnect the small red plug located on the circuit board under the keyed switch.
- 7) Remove the lid and set it aside.
- 8) Locate the 1/2" round depression on the side of the box, above the terminals for Motor 3.
- 9) Carefully knock out the 1/2" round disk.
- 10) Install the black wire gland with the nut on the inside of the box.
- 11) Route the 2 limit switch wires into the box through the wire gland (1 wire per hole).
- 12) Connect **one** wire from the switch to the appropriate spade terminal listed in table below.
- 13) Connect the remaining switch wire to spade terminal JA1.
- 14) Push a small amount of extra wire into the box and tighten the wire gland.
- 15) Locate the DIP switch bank in the middle of the circuit board (blue bank w/ 10 white switches) and turn on the 1 switch corresponding to the channel you are controlling (see table below).
- 16) Carefully replace the control box lid, reconnecting the small red plug from Step 6 before setting it in place.
- 17) Replace the 6 screws from Step 5, the o-rings from Step 4, and the switch boots from Step 3.
- 18) Mount the limit switches and make sure that the wires are securely routed.
- 19) Reconnect the battery wires feeding the control box.

Channel #	Terminal #	DIP Switch #
I (1)	JA2	5
II (2)	JA3	6
III (3)	JA4	7
IV (4)	JA5	8
V (5)	JA6	9
VI (6)	JA7	10