



PRO-SW1500 Dual Gate Operator Connection Kit Instructions

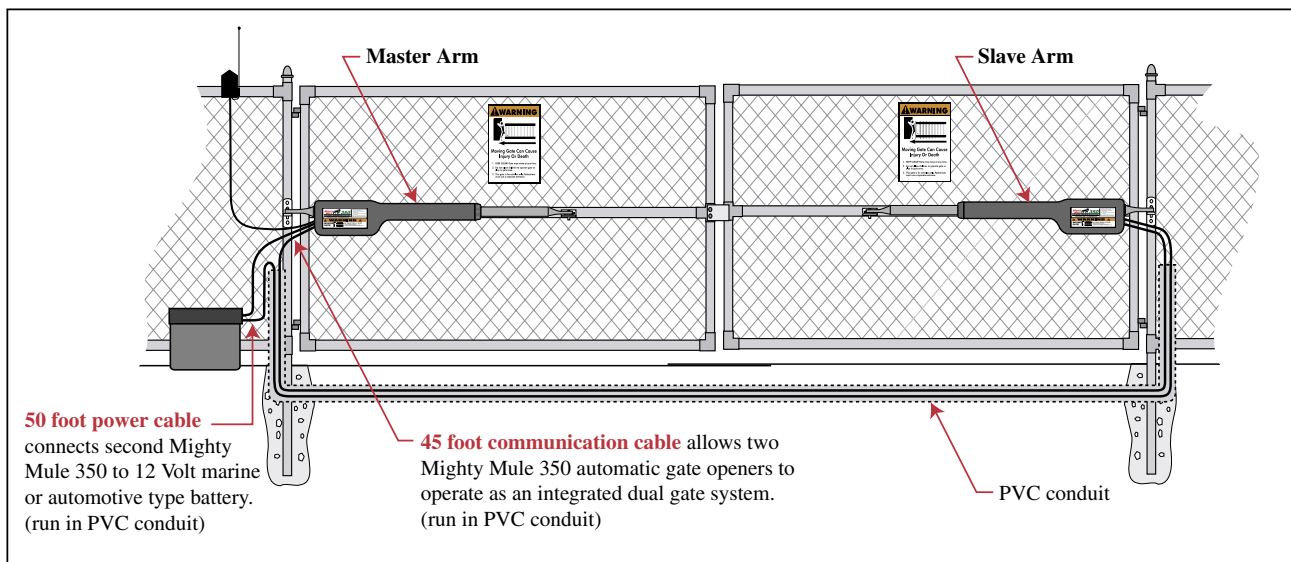
45 foot communication cable and 50 foot power cable required to connect two PRO-SW1500 automatic gate operators in dual gate applications.

Kit Includes:

- 50' power cable - to connect the slave operator to the battery.
- 45' communication link cable to connect master and slave operators.

OVERVIEW:

The 50 foot power cable and the 45 foot communication cable must be run under the driveway to connect the second gate opener to the battery and the first gate opener. These cables must be run in PVC conduit and buried 2 to 4 inches under the surface. It is also advised to bring the conduit up from the ground 18 to 24 inches to protect them from lawn mowers, weed eaters and grazing animals. Never splice wires.



Thank you...

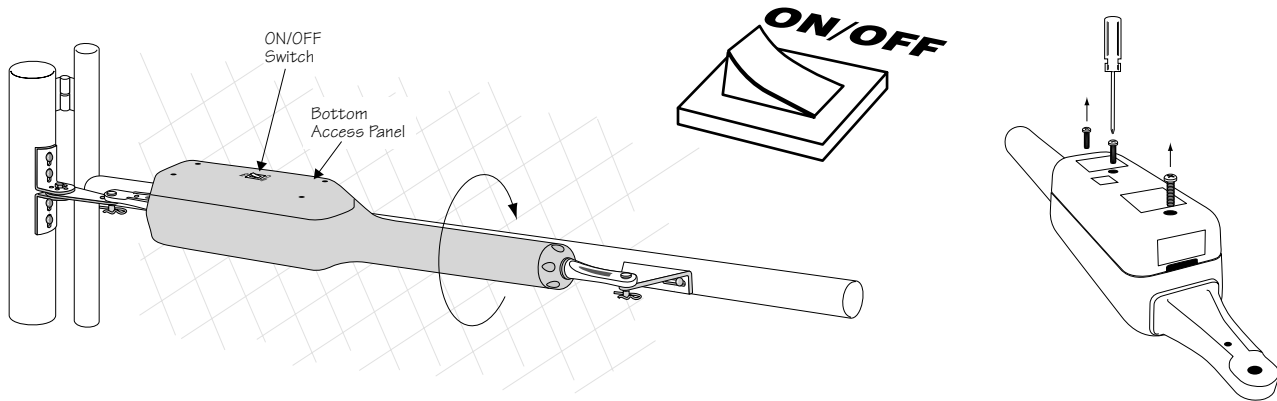
for purchasing the 1500 Dual Gate Operator Connection Kit. GTO, Inc., has been designing and manufacturing reliable, high quality products since 1987. Our corporate headquarters and state of the art manufacturing facility is located in Tallahassee, Florida. One of our highest priorities is to provide outstanding technical service to our customers. Therefore, if you have any questions or require any technical assistance, please call our toll free line 800-543-1236 or 850-575-4144 and ask to speak to one of our technicians.

Prior to installing your 1500 Dual Gate Operator Connection Kit, please read this manual thoroughly. There are important safety recommendations of which you should be aware. This product, and any accessory you purchase, should only be installed on a gate opener that meets the current safety standard (UL325). If you have a gate opener that is not listed with the current standards, please contact the GTO sales department at 800-543-4283 or 850-575-0176 for consultation on a gate opener that can meet your specific needs.

Joe Kelley, President of GTO, Inc.

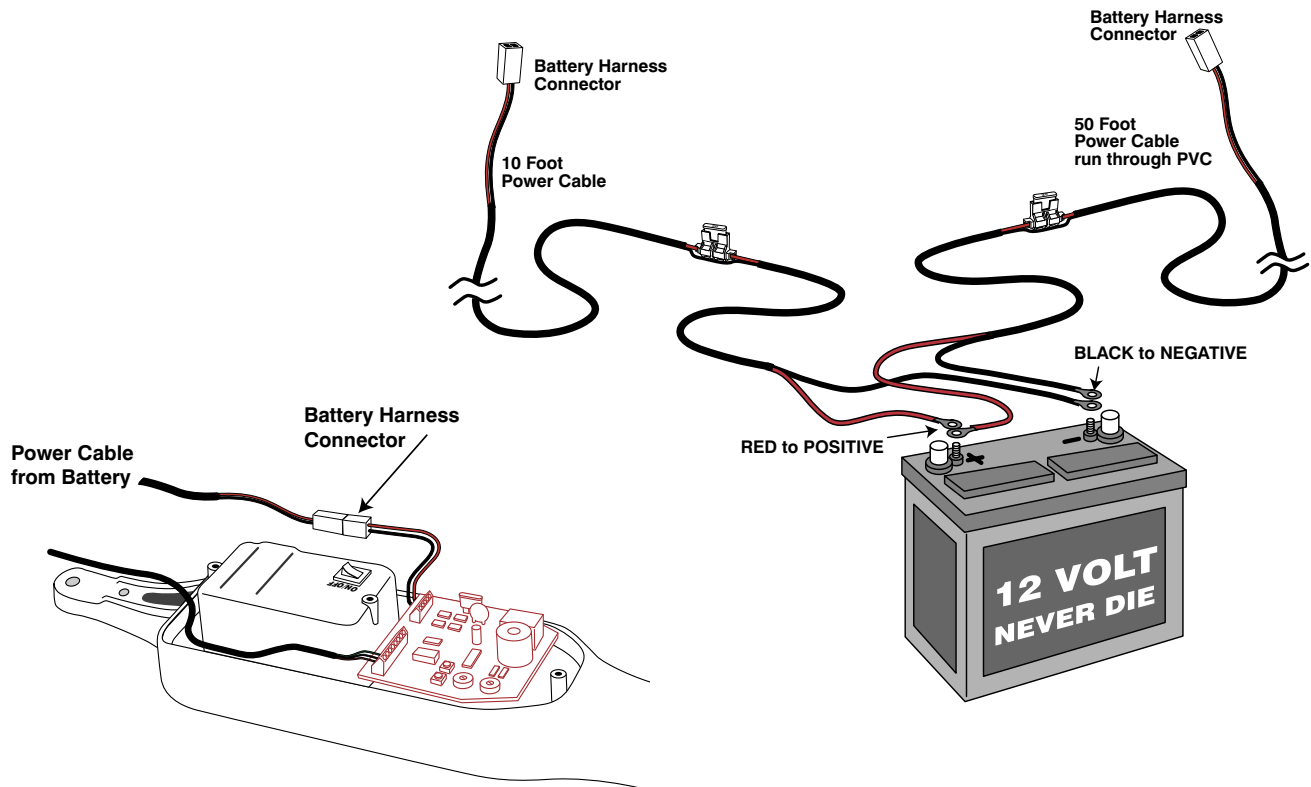
1 POSITION THE OPENERS:

1. Place both operators in the upside down position.
2. Make sure the power switch is in the OFF position and remove the control board access covers.



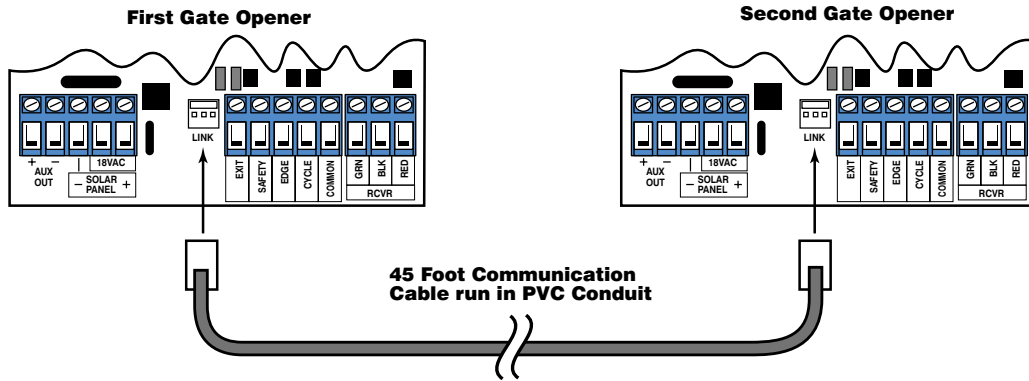
2 CONNECTING THE POWER CABLES:

1. Connect the red wire from the 50 foot and the 10 foot power cable to the POSITIVE (+) terminal of the battery.
2. Connect the black wire from the 50 foot and the 10 foot power cable to the NEGATIVE (-) terminal of the battery.
3. Plug the other ends (with the plug) of the power cables to the operator battery connectors. One at each operator.



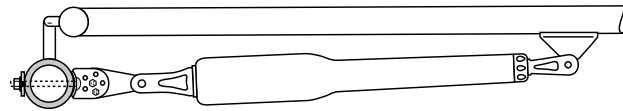
3 CONNECTING THE 45' COMMUNICATION CABLE:

1. Plug the communication cable into the 'LINK' terminals of the opener control boards.



4 Setting FIRST arm to operate as MASTER arm:

1. The MASTER arm should be at the fully retracted position at this time.



Gate Operator in the RETRACTED POSITION

2. Set DIP switch #1:

OFF: pull to open

ON: push to open

3. Set DIP switch #2 and #3 (MODE 1 and MODE 2) to the desire sequence:

DIP #2	DIP #3	Dual Mode Sequence
OFF	OFF	Single gate mode.
ON	OFF	MASTER opens 1st, SLAVE opens 2 seconds later. SLAVE closes 1st, MASTER closes 4 seconds later
OFF	ON	MASTER opens 1st, SLAVE opens 2 seconds later. SLAVE closes 1st, MASTER closes 8 seconds later
ON	ON	MASTER and SLAVE simultaneously open and close.

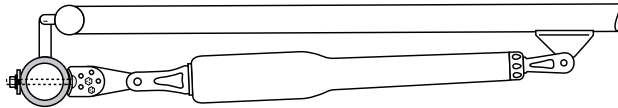
4. DIP switch #4: (See main manual for additional details)

OFF: Pulse output at 'AUX OUT' terminal when gate is opening.

ON: Continuous output at 'AUX OUT' terminal when gate is moving.

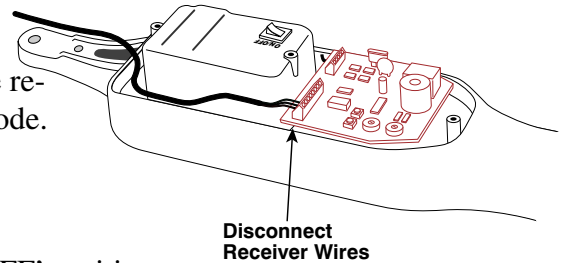
5 Setting SECOND arm to operate as SLAVE arm:

1. The SLAVE arm should be at the fully retracted position at this time.

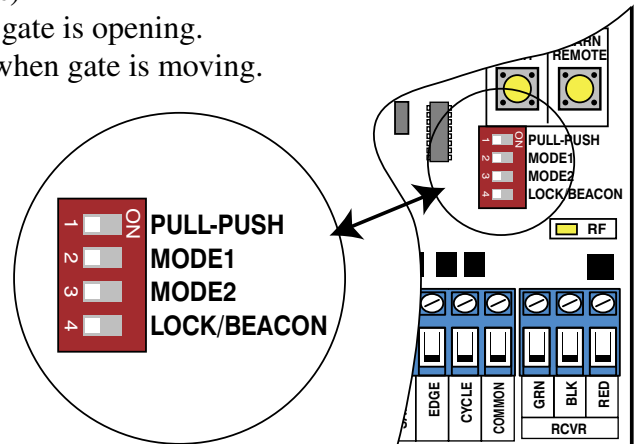


Gate Operator in the
RETRACTED POSITION

2. The receiver should be disconnected from the slave arm. The receiver is not operational if the arm is operating in SLAVE mode.
3. DIP switch #1 has no function in SLAVE mode.
4. Set DIP switch #2 and #3 (MODE 1 and MODE 2) to the 'OFF' position (factory default). This setting will set the arm to operate in SLAVE mode if there is a MASTER arm present.
5. DIP switch #4: (See main manual for additional details)
OFF: Pulse output at 'AUX OUT' terminal when gate is opening.
ON: Continuous output at 'AUX OUT' terminal when gate is moving.



Disconnect
Receiver Wires



6 Setting the CLOSE LIMIT (Pull to open installation only):

1. DIP switch #1 should be in the OFF position.
2. Turn the ON/OFF switch to the ON position on the master arm.
3. Turn the ON/OFF switch to the ON position on the slave arm.
4. Wait 15-20 seconds for the receiver to 'warm-up'.
5. Press the remote (assuming that the remote has already been 'learned'). The SLAVE arm or both arms (depending on your sequence setting) should be closing.
6. Press the remote again to stop the gate at the desired closed position. Note: whichever gate reached its desired closed position first that will be the first one to be programmed.



If the SLAVE arm is stopped at the desired closed position, press the 'SET LIMIT' on the SLAVE arm for 5 seconds.

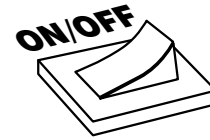
If the MASTER arm is stopped at the desired closed position, press the 'SET LIMIT' on the MASTER arm for 5 seconds.

Press the remote again and allow both gates to return to the fully opened positions.

7. Repeat step 5 for the side that has not been programmed in the previous step.

7 Setting the open limit (Push to open installation only):

1. DIP switch #1 should be in the ON position.
2. Turn the ON/OFF switch to the ON position on the MASTER arm.
3. Turn the ON/OFF switch to the ON position on the SLAVE arm.
4. Wait 15-20 seconds for the receiver to 'warm-up'.
5. Press the remote (assuming that the remote has already been 'learned'). The SLAVE arm or both arms (depending on your sequence setting) should be opening.
6. Press the remote again to stop the gate at the desired opened position. Note: whichever gate reached its desired opened position first that will be the first one to be programmed.



If the SLAVE arm is stopped at the desired opened position, press the 'SET LIMIT' on the SLAVE arm for 5 seconds.

If the MASTER arm is stopped at the desired opened position, press the 'SET LIMIT' on the MASTER arm for 5 seconds.

Press the remote again and allow both gates to return to the fully closed positions.

7. Repeat step 5 for the side that has not been programmed in the previous step.

8 Obstruction setting:

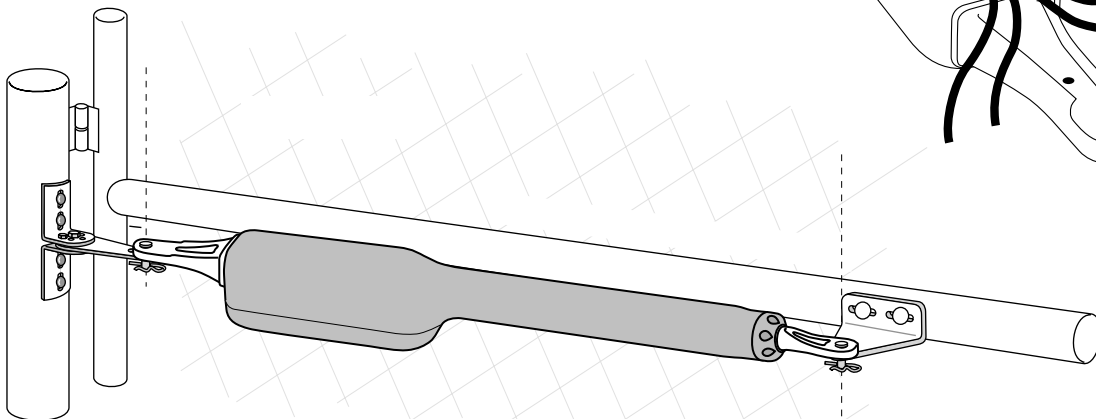
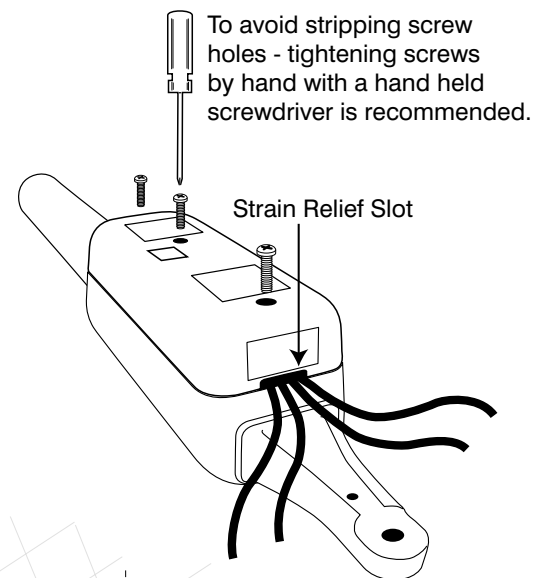
1. Obstruction sensitivity must be set for each operator. See main manual for details.

Accessories inputs connections:

1. Accessories can be connected to either the master or SLAVE operator. See main manual for details on the functionality of accessories inputs.

9 Replace Access Cover and Remount Openers:

1. When everything is connected and all adjustments are made replace the control board access cover. Carefully bring all wires out the back of the opener through the strain relief slot and tighten the cover screws with a hand held screw driver to avoid stripping the screw holes.
2. Turn each opener over to the right side up position to prevent water from rain and sprinkler systems from entering the openers and damaging the electrical systems.



Limited One Year Warranty

GTO, Inc. gate opener accessories are warranted by the manufacturer against defects in workmanship for a period of one (1) year from the date of purchase, provided recommended installation procedures have been followed.

In the case of product failure due to defective material or manufacturer workmanship within the one (1) year warranty period, the accessory will be repaired or replaced (at the manufacturer's option) at no charge to the customer, if returned freight prepaid to GTO, Inc., 3121 Hartsfield Rd., Tallahassee, FL 32303. IMPORTANT: Call 850/575-4144 or fax 850/575-8950 for a Return Goods Authorization (RGA) number before returning goods to factory. Products received at the factory without an RGA will not be accepted. Replacement or repaired parts are covered by this warranty for the remainder of the one (1) year warranty period. GTO, Inc. will pay the shipping charges for return to the owner of items repaired.

The manufacturer will not be responsible for any charges or damages incurred in the removal of the defective parts for repair, or for the reinstallation of those parts after repair. This warranty shall be considered void if damage to the product(s) was due to improper installation or use, connection to an improper power source, tampering, or if damage was caused by lightning, wind, fire, flood, insects, or other natural agent.

After the one (1) year warranty period, GTO Inc. or one of its authorized service centers will make any necessary repairs for a nominal fee. Call GTO at 850/575-4144 for more information. This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state. This warranty is in lieu of all other warranties, expressed or implied. NOTE: Verification of the warranty period requires copies of receipts or other proof of purchase. Please retain those records.

**If you have any questions or concerns, please contact our Technical Service Department
Monday thru Friday 8:00 am to 5:00 pm (ET) at 1-800-543-1236 or 850-575-4144.
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