

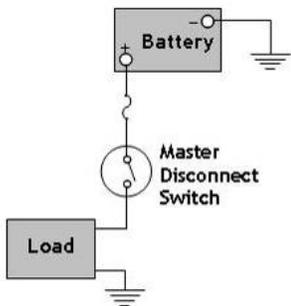
# Master Disconnect Switch 75920

300A	12V DC
250A	24V DC
200A	36V DC

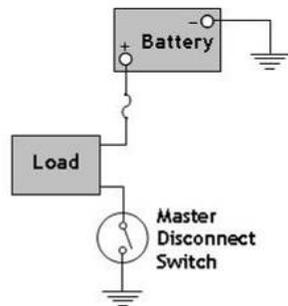


## Connection Schematic

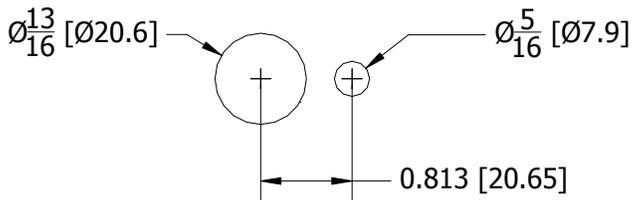
High Side Configuration



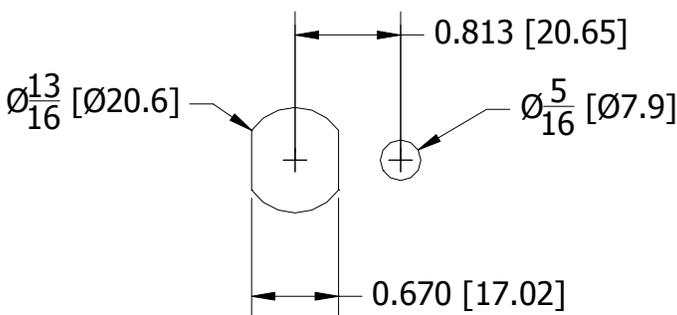
Low Side Configuration



## Mounting Pattern 1



## Mounting Pattern 2



Mounting pattern 1 is the easiest to achieve, as it does not require a panel punch. For additional mounting assurance, Mounting Pattern 2 also uses the flats on the mounting shaft to prevent rotation.

## Installation

This product requires the use of the bezel. It supports the knob and guides it during operation to assure long life and smooth operation.

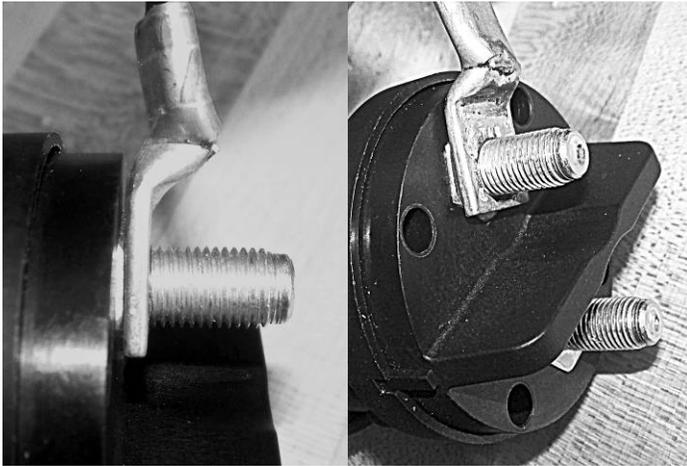
1. Open the attached hardware bag and check contents versus the list on the next page.
2. Put one of the 3/4" hex nuts on the neck and then the 3/4" lock washer. Make sure to run it down far enough to leave space to get the neck through the panel.
3. Bring the switch in through the back of the panel making sure to align the anti-rotation stud.
4. Adjust the mounting nut behind the panel until 1/2 - 3/4" of the threaded portion of the neck (not including the shaft) extends through the panel.
5. Holding the switch in place, place the bezel over the neck and align it to the anti-rotation pin.
6. Put the second mounting nut on the threaded neck and tighten to 216 in-lbs maximum.
7. Line up the knob with the flat on the shaft, and press it in place until it bottoms out.
8. Check to make sure that the lockout opening on the bezel and the lockout opening on the knob line up so that a padlock shackle can be placed through both in the off position. If this is out of alignment, remove the knob and adjust the two mounting nuts until you can align the bezel and knob.
9. Once satisfied with the fit of the knob use the 4-40 pan head screw ( 2 in-lbs torque) to lock the handle in place. Then press the plug into the hole with your fingers.
10. Remove the nuts and lock washers from the two 3/8" studs.

*Make good contact!*

*Unlike many other Master Disconnects on the market, the 75920 studs are permanently affixed to the base, so you can remove all the hardware and use the entire stud.*

11. SEE PHOTO

Place the terminal(s) (attached to an appropriately sized wire) directly on the base of the stud, as this will assure the best contact and the least amount of voltage drop across the connection.



12. Place lock washer over terminal and tighten down nut to a torque of 70-90 in-lbs.

## General Specifications

Environmental:	40°C to 85°C. Sealed to IP67 per IEC 529 Ignition-proof to ISO 8846 Meets or exceeds UL 1107
Electrical:	
Current Ratings	12V 300A continuous 24V 250A continuous 36V 200A continuous
Intermittent	1000A 90 secs On 5 minutes Off 1500A 60 secs On 5 minutes Off 2000A 30 secs On 5 minutes Off 3000A 15 secs On 5 minutes Off

Panel Thickness Range: 0.032-0.450" (0.81-11.43 mm)  
Dimensions: See below

Submit technical questions to: [engineering@colehersee.com](mailto:engineering@colehersee.com)

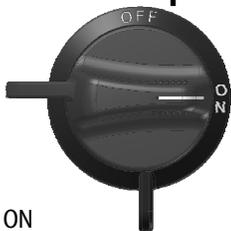
Consult the factory if you need further assistance

617-268-2100

8:00am to 4:30pm Eastern Time

[www.colehersee.com](http://www.colehersee.com)

## Normal Operation Summary



ON

**ON:**  
Rotate the knob 90° clockwise until the indicator is at the 3 o'clock position, and the circuit will be engaged



OFF

**OFF:**  
Rotate the knob 90° counterclockwise until the indicator is at the 12 o'clock position, and the circuit will be disengaged

### Integral Lockout Feature!

Place a padlock or other lockout device through both holes (the bezel and the knob) and lock it. We recommend using a locking device with a 5/16" or 7mm shackle.



### Contents of 67191 Hardware Kit

- 1 Knob Assembly
- 1 Knob Hole Plug
- 1 Bezel
- 1 4-40x0.75 Pan Head Screw
- 1 3/4" Lock Washer
- 2 3/4"-16 Hex Nuts

