



CANsmart™ Control Switch

DNL.WHS.13100
KTM Series



DENALIElectronics.com/KTM

Thank you for choosing DENALI

We know you would rather be riding your bike than wrenching on it, so we go the extra mile to make sure our instructions are clear and as easy to understand as possible. If you have any questions, comments, or suggestions don't hesitate to give our gear experts a call at 401.360.2550 or visit WWW.DENALIELECTRONICS.COM

Please Read Before Installing

DENALI products should always be installed by a qualified motorcycle technician. If you are unsure of your ability to properly install a product, please have the product installed by your local motorcycle dealer. DENALI takes no responsibility for damages caused by improper installation. **Caution:** When installing electronics it is extremely important to pay close attention to how wires are routed, especially when mounting products to the front fender, front forks, or fairing of your motorcycle. Always be sure to turn the handlebars fully left, fully right, and fully compress the suspension to ensure the wires will not bind and have enough slack for your motorcycle to operate properly.

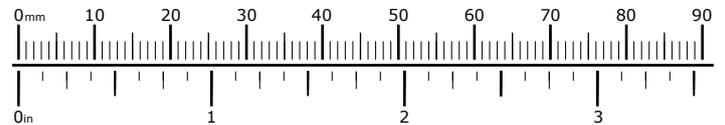
Installation Tips

We strongly recommend using medium strength liquid thread locker on all screws, nuts, and bolts. It is also important to ensure that all hardware is tightened to the proper torque specifications as listed in your owner's manual. For included accessory hardware please refer to the default torque specifications provided below. Inspect all hardware after the first 30 miles to ensure proper torque specifications are maintained.

Bolt Size	in-lbs	ft-lbs	Nm
M3	10.0 in-lbs	-	1.0 Nm
M4	23.0 in-lbs	-	2.5 Nm
M5	44.5 in-lbs	3.5 ft-lbs	5.0 Nm
M6	78.0 in-lbs	6.5 ft-lbs	9.0 Nm
M8	-	13.5 ft-lbs	18.0 Nm
M10	-	30.0 ft-lbs	41.0 Nm
M12	-	52.0 ft-lbs	71.0 Nm

Hardware Sizing Guide

Not sure what size bolt you have? Use this ruler to measure screws, bolts, spacers, etc. Remember, the length of a screw or bolt is measured from the start of the "mounting surface" to the end of the screw, so only include the screw head when measuring countersunk screws.

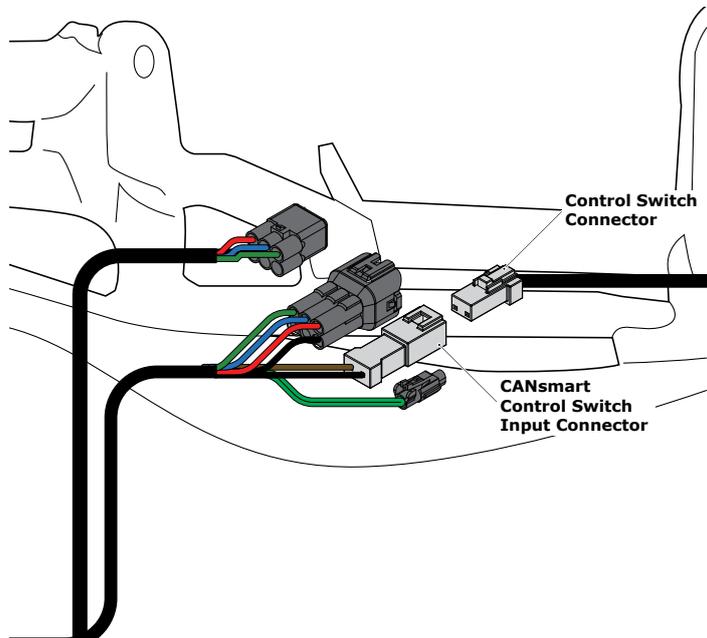


What's In The Box?



Kit Contents

- (a) Switch.....Qty 1
- (b) 7/8" Handlebar Band.....Qty 1
- (c) Self Tapping Screws.....Qty 2

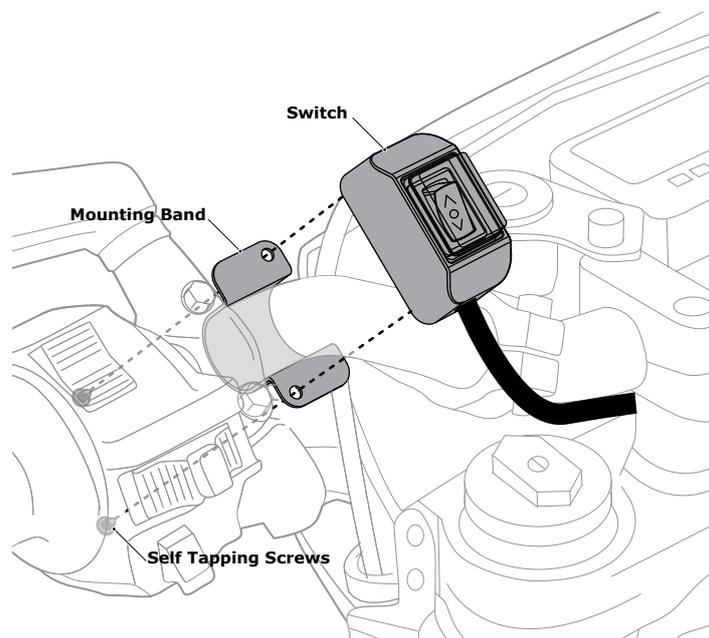


1.1 - Connecting the Switch

The DENALI Control Switch enables complete control of the KTM CANsmart light circuits. Both Auxiliary Light Set One and Auxiliary Lights Set Two can be independently toggled ON/OFF and adjusted to the desired intensity via the switch.

The Control Switch Input Connector on the CANsmart Controller is located on the same lead as the CAN bus Input Connector and Horn Input Connector. It is a small white 2-Pin JWPF Connector with brown and black wires.

Step One: Plug the Control Switch (a) into the Input Connector on the CANsmart Controller.

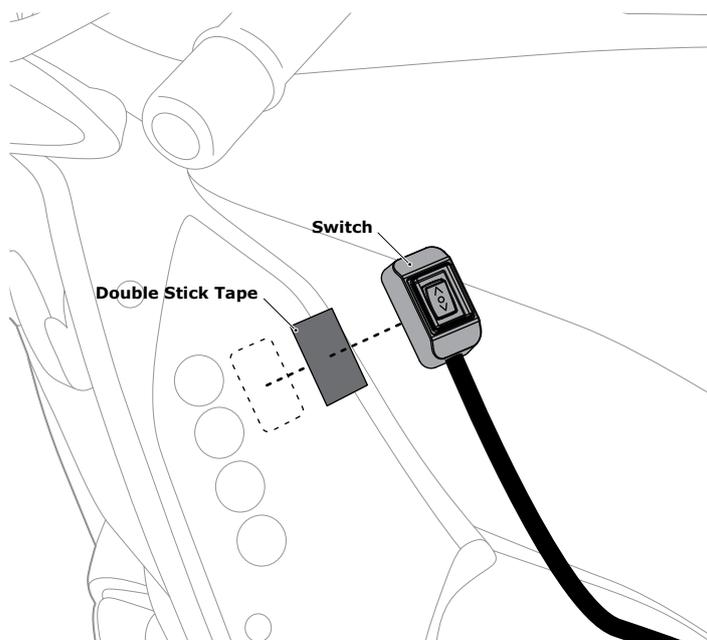


1.2 - Handlebar Mounting

The CANsmart Control Switch includes a 7/8" handlebar mounting band.

Step One: Place the band (b) around the handlebar.

Step Two: Use the two self tapping screws (c) and a #1 Phillips head screw driver to attach the switch (a) to the mounting band (b). Continue tightening the screws until the switch no longer rotates on the handlebar.



1.3 - Surface Mounting

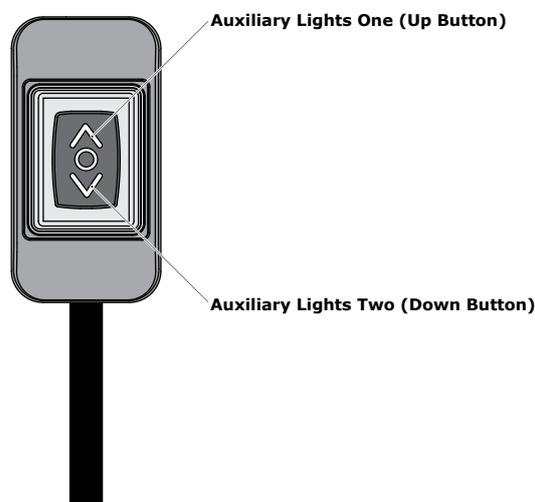
The switch can also be surfaced mounted using double stick tape (*NOT included*). Follow the steps below to surface mount the switch.

Step One: Clean and prep the mounting surface and the bottom of the switch (a) using an alcohol swab. Allow surfaces to fully dry.

Step Two: Peel away one side of the backing from the double stick tape and adhere to the bottom side of the switch (a).

Note: To ensure a stronger bond use a heat gun to warm the tape before applying to the surface.

Step Three: Peel away the remaining backing from the double stick tape and adhere the switch (a) to the mounting surface using moderate pressure.



2.1 - Operation

Auxiliary Light Set One	
On/Off	Press "Up" button.
Enter Dimming Mode	Hold "Up" button.
Adjust Intensity	Press "Up" or "Down" button to adjust between 0% and 100%.
Exit Dimming Mode	Wait 5 seconds.
Auxiliary Light Set Two	
On/Off	Press "Down" button.
Enter WonderWheel Dimming Mode	Hold "Down" button.
Adjust Intensity	Press "Up" or "Down" button to adjust between 0% and 100%.
Exit WonderWheel Dimming Mode	Wait 5 seconds.