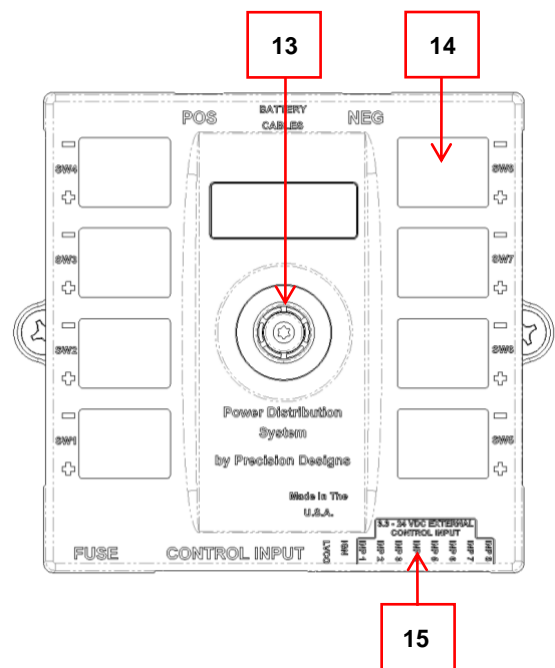
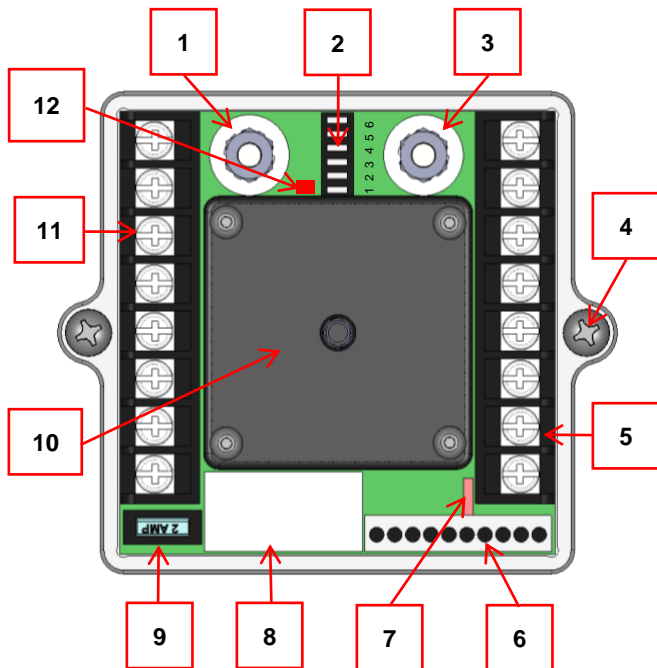




**GET TO KNOW YOUR BANTAM**

1. Positive battery cable connection
2. DIP switches (see page 2)
3. Negative battery cable connection
4. Mounting hardware
5. Accessories terminal block for switches 5-8
6. Input terminal block (see page 3)
7. Jumper for input polarity selection (see page 3)
8. Controller inputs (Ethernet cable)
9. 2AMP fuse for circuit board protection
10. Cover. Do NOT remove or warranty will be voided
11. Accessories terminal block for switches 1-4
12. Reverse polarity warning light (lights Red if reverse polarity is detected)
13. Thumb screw for lid fastening
14. Place holders for switch ID labels
15. Auxiliary port identifications

- NOTES AND WARNINGS**
- Never reverse polarity on battery cables.
  - NEVER chassis ground the sPOD's negative battery cable. Always attach both positive and negative accessory wires to the sPOD.
  - Any modifications to any of the sPOD wire harnesses will void the warranty.
  - Although the sPOD system is weather proof, do not submerge in water. Do not spray cleaner onto unit or into any openings. Always use a soft towel or cloth for cleaning purposes and or compressed air to dry.
  - System will shut down when voltage drops to 11.2 V (2 minute delay) and requires 12.8 V to reinitialize (start engine).
  - Do not tamper, open or remove any factory-installed components; this will void the warranty.
  - Do not replace 2 amp fuse with any other rated fuse; this will void the warranty.
  - Do not attach any additional electrical accessories to the battery terminals on the Bantam; this will void the warranty.
  - The Bantam does not require the use of Relays or Fuses unless the accessory attached draws more than 30AMPS
  - The Bantam employs self healing circuits. In the event of a short/overload, the circuit will shut off. Correct the short/overload, then cycle the switch on and off to reset.



**AFTER INSTALLATION, YOU MUST START THE ENGINE TO ACTIVATE THE SYSTEM!!**

# BANTAM – OPERATIONAL INSTRUCTIONS

## INSTALLATION

1. Find a dry, clean, easily accessible, flat surface to mount the Bantam that is within reach of the provided battery cables.
2. Mount the Bantam using the provided screws through the mounting holes.
3. Run control cable through the firewall of the cab. Keep protective cap on during the process.
4. Connect POSITIVE and NEGATIVE battery cables to the battery. NOTE: This should be the last step!
5. Use supplied cable ties to secure all cables.

## DIP SWITCH SETTINGS

**DIP SWITCH 1:** 1) Used initialize “pairing mode” for Bluetooth applications, 2) Used to disable deep sleep mode. 3) Troubleshooting

**DIP SWITCH 2:** Used to change between 12V or 24V electrical systems. DIP switch in the “OFF” position allows the Bantam to operate 12Volt systems while having the DIP switch in the “ON” position allows Bantam to operate 24Volt system. (See Fig. A)

**DIP SWITCH 3:** Key-On Lock-Out control. Having the DIP switch in the “ON” position allows switch #1 to only be active when the vehicle’s ignition is on.

**NOTE:** This only pertains to switch #1 (See Fig. C)

**DIP SWITCH 4:** Key-On Lock-Out control. Having the DIP switch in the “ON” position allows switch #2 to only be active when the vehicle’s ignition is on.

**NOTE:** This only pertains to switch #2 (See Fig. C)

**DIP SWITCH 5:** Multiple Source select. Used to identify Bantam number (See Fig. B)

**DIP SWITCH 6:** Multiple Source select. Used to identify Bantam number (See Fig. B)

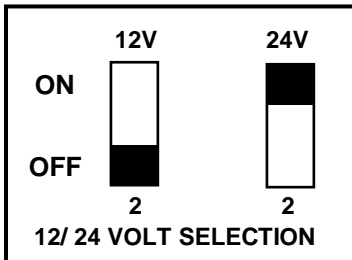
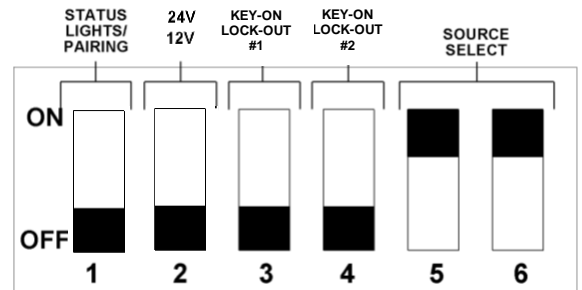


Fig. A

**DIP SWITCH #1 HAS 3 PURPOSES:**

- 1) USED FOR PAIRING A BLUETOOTH DEVICE
- 2) USED TO OVERRIDE THE DEEP SLEEP MODE (USE IF POWERING A 12V FRIDGE)
- 3) TURNS ON STATUS LIGHTS FOR TROUBLESHOOTING



FACTORY DEFAULT SETTINGS

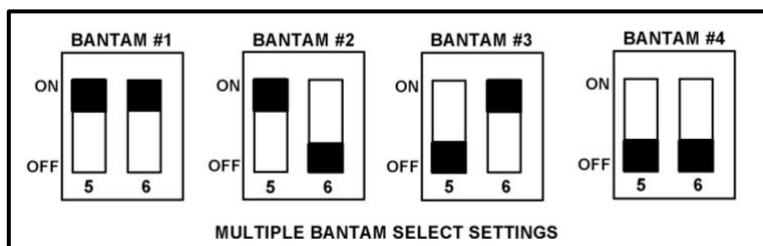


Fig. B

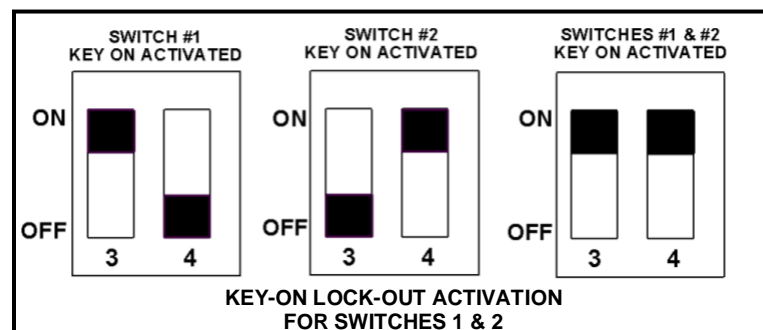
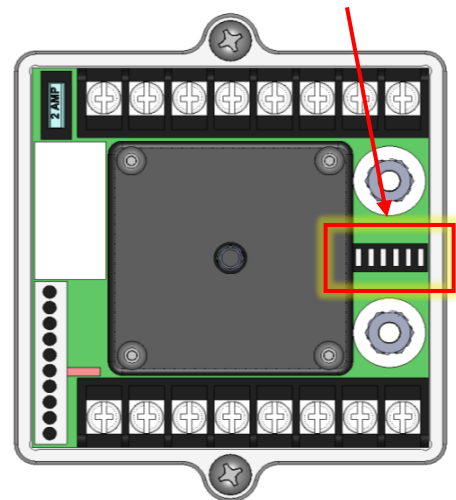


Fig. C



**AFTER INSTALLATION,  
YOU MUST START THE  
ENGINE TO ACTIVATE  
THE SYSTEM!!**

# BANTAM – OPERATIONAL INSTRUCTIONS

## INPUT TERMINAL BLOCK

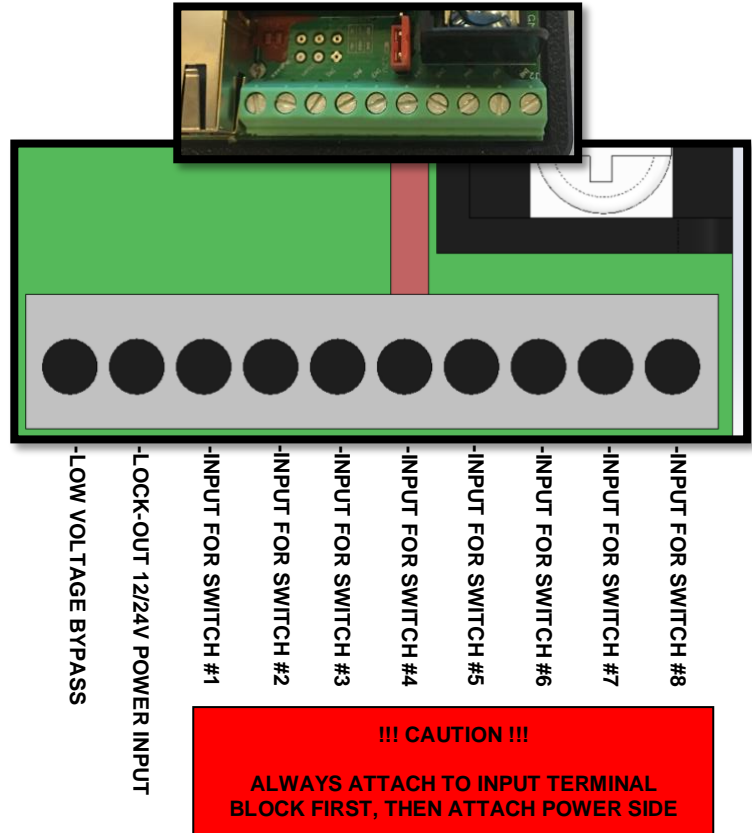
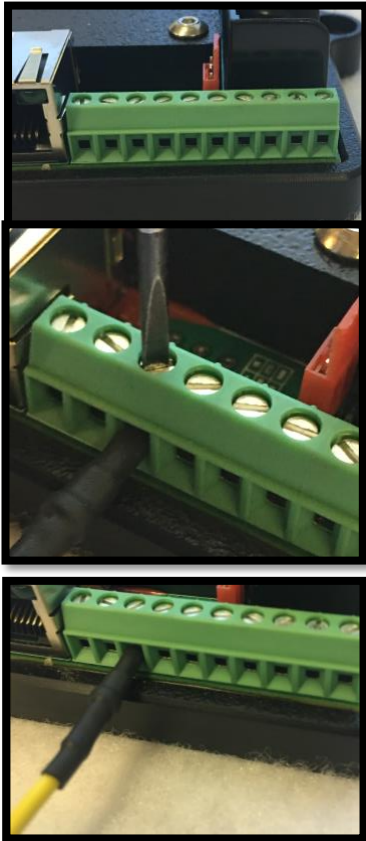
**INPUT 1:** Use this input to disable the low voltage cut off by attaching 12/24v from a positive power feed. This will override the LVCO.

**INPUT 2:** Use this input to activate the Key-On/Lock-Out function from a source of 12v/24v from a positive power feed, such as a fuse or circuit that is live when the ignition key is on. (NOTE) ALWAYS attach to input first, then attach to the power last to avoid a short.

**INPUTS 3-10:** Use these inputs to activate any of the switches (outputs 1-8) by an external device that has a 3.3 – 24VDC signal.

EXAMPLE: Outputs can be controlled by external devices such as, but not limited to:

Thermostats, Alarm systems, Sending units, Sensors, Limit switches, Pressure switches, Remote switches, Arduino, Raspberry Pi and many more devices that utilize ground or positive triggers ranging from 3.3VDC – 24VDC



## JUMPER FOR +/- INPUT TRIGGERS

**JUMPER:** Use this jumper to switch the 8 inputs between Positive trigger input and Ground trigger input. (NOTE: this applies to all 8 inputs)

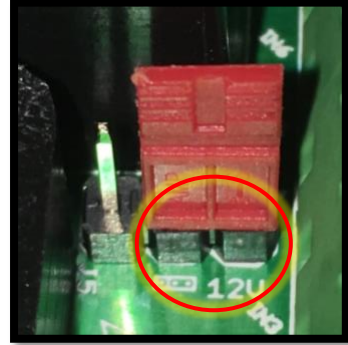
JUMPER LOCATION



JUMPER ON 2 PINS ON LEFT FOR GROUND TRIGGER



JUMPER ON 2 PINS ON RIGHT FOR POSITIVE TRIGGER



# BANTAM – OPERATIONAL INSTRUCTIONS

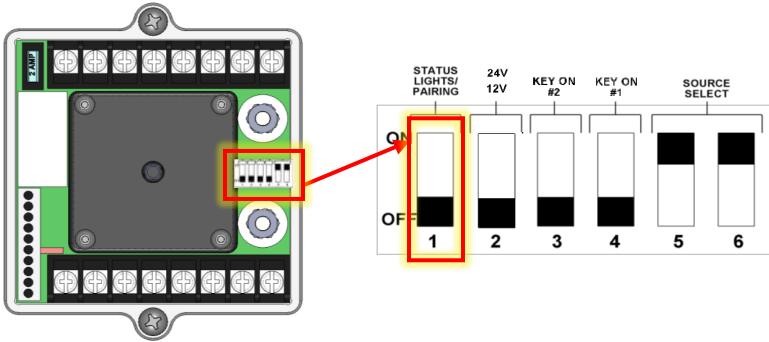
## PAIRING THE BLUETOOTH



Start by going to **Google Play** for Android devices or **iTunes** for Apple devices and search “sPOD Bantam”. Download the sPOD Bantam app onto your smartphone or tablet. Be sure that your device’s Bluetooth is turned on.



**STEP 1** With the app closed and off, flip **DIP switch 1** “ON” then “OFF” in quick succession to put the Bantam in “PAIRING MODE” for 60 seconds.



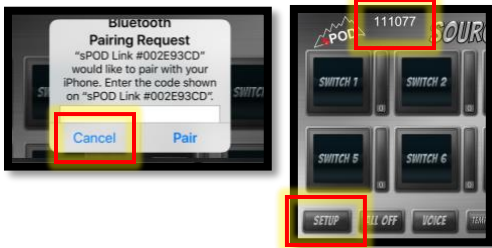
**STEP 2** Open the Bantam app and touch **Setup**.



**STEP 3** Touch the **Scan** button and wait 10 seconds.



**STEP 4** Hit **Cancel** and wait about 10 seconds for the PIN to appear in upper left (in White). Touch the **Setup** button.



**STEP 5** Touch the **Scan** button and wait 10 seconds.



**STEP 6** When “Pairing Request” dialogue box appears, enter PIN number and then touch the **Pair** button. The app will now be paired to the Bantam and will be ready to use.



**PLEASE REFER TO THE BANTAM APP GENERAL USER GUIDE FOR OPERATIONS OF THE APP. INSTRUCTIONAL VIDEOS ALSO AVAILABLE AT [WWW.4X4sPOD.COM](http://WWW.4X4sPOD.COM)**

To reset pairing with all devices, turn DIP switch #1 on and off 5 times quickly.