



Date: 29/11/19

Electro Parts Battery Protectors - BP-400 / BP-500

Customer's often ask should the MAIN switch be in ON or OFF positions?

- = **OFF** when-ever the RV is in storage or if a Remote switch is installed.
- = **ON** when needing to use 12Volt power from the Battery. [LED will be on when-ever there is output available]

Operation Description;

- Set the Cut-off selector to the 12 Volt setting.
If the Battery is discharged to 12V for any reason the BP-400/500 will disconnect the Loads connected to its output. Thus, saving the Battery Bank from being overly dis-charged. If needed the voltage selector can then be switched to a lower setting to allow some power for lights while an alternative source is arranged. Once the Battery Voltage rises to approx' 1 Volt higher then the selected Cut-Off voltage, the Battery Protector will automatically restore power to the output.
- The MAIN SW will turn the unit off & therefore the 12V output off (White wire). This can be used as a 'master switch' to conveniently dis-connect most loads from the Battery, E.g.; For putting the RV into storage, or a quick way to turn off all the lights/radios etc.
- If the REMOTE SW option is connected (Blue wire), It can take the place of turning the unit ON or OFF How-ever, To do this the Main Switch must then be left in the OFF position. This is very useful in that the Battery Protector is best located near the Battery bank &/or main fuse box, where the larger current carrying conductors can be kept shorter.
- Only 1 x smaller wire is needed to connect to the remote switch which can then use the RV's common ground to operate the unit. So, the Remote switch can be positioned far away in a more convenient location for operators to access.
- Note that unlike a lot of Low Voltage Cut-out devices, The Electro Parts BP-400 & BP-500 also utilise Positive switching of the Loads. Therefore, a common Negative (Negative ground system) can be used without any modification. Or extra ground wiring being needed. **The Figure below shows a basic installation circuit;**

