

ROUTE 145, WINTHROP ROAD  
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### Selecting a Mounting Location:

Select a location for the TACTL690 that will be convenient for both operation and viewing for the operator.

### READ BEFORE INSTALLING!!!

*Do not install this product or route any wires in the deployment area of your airbag. Equipment mounted or located in the airbag deployment area will damage or reduce the effectiveness of the airbag, or become a projectile that could cause serious personal injury or death. Refer to your vehicle owners manual for the air bag deployment area.*

*The User/Installer assumes full responsibility to determine proper mounting location, based on providing ultimate safety to all passengers inside the vehicle. Whelen Engineering Company assumes no liability or responsibility for determining individual applications or exact installation location criteria.*

### Wiring your TACTL690:

1. Locate the 10 position *Input Connector* included with your UPS690 and plug it into the port indicated in Fig. 1. Extend the BLACK and RED wires from the *Input Connector* towards the battery.

**WARNING: All customer supplied wires, that connect to the positive (+) terminal of the battery, must be sized to supply at least 125% of the maximum operating current, and fused "at the battery" to carry the load!**

2. Connect the RED wire to a fuse block (customer supplied) and then to the POSITIVE terminal on the battery.

**NOTE! Although a 15 amp fuse (customer supplied) is required to be used in the fuse block, do not install the fuse until all of the wire connections are completed.**

3. Connect the BLACK wire to the factory chassis ground adjacent to the battery.
4. Find the J1 9 position connector in your parts bag and insert the pins from the input connector following the wiring diagram on the next page. (Fig. 2)
5. Plug the input connector into your UPS690 and plug the other end into the P2 connector coming from the TACTL690. (Fig. 1 Connection)
6. Insert the pins coming from the three cables that come out of the light bar into the six, 3 position pin housings. (Fig. 2)
7. Plug the pin housings into the UPS690 carefully following the wiring diagram and set the dip switches into the default positions as shown.

### Installation:

Install the TACTL690 under the dash in a convenient location that is both visible and easy to reach, using the two mounting screws included.

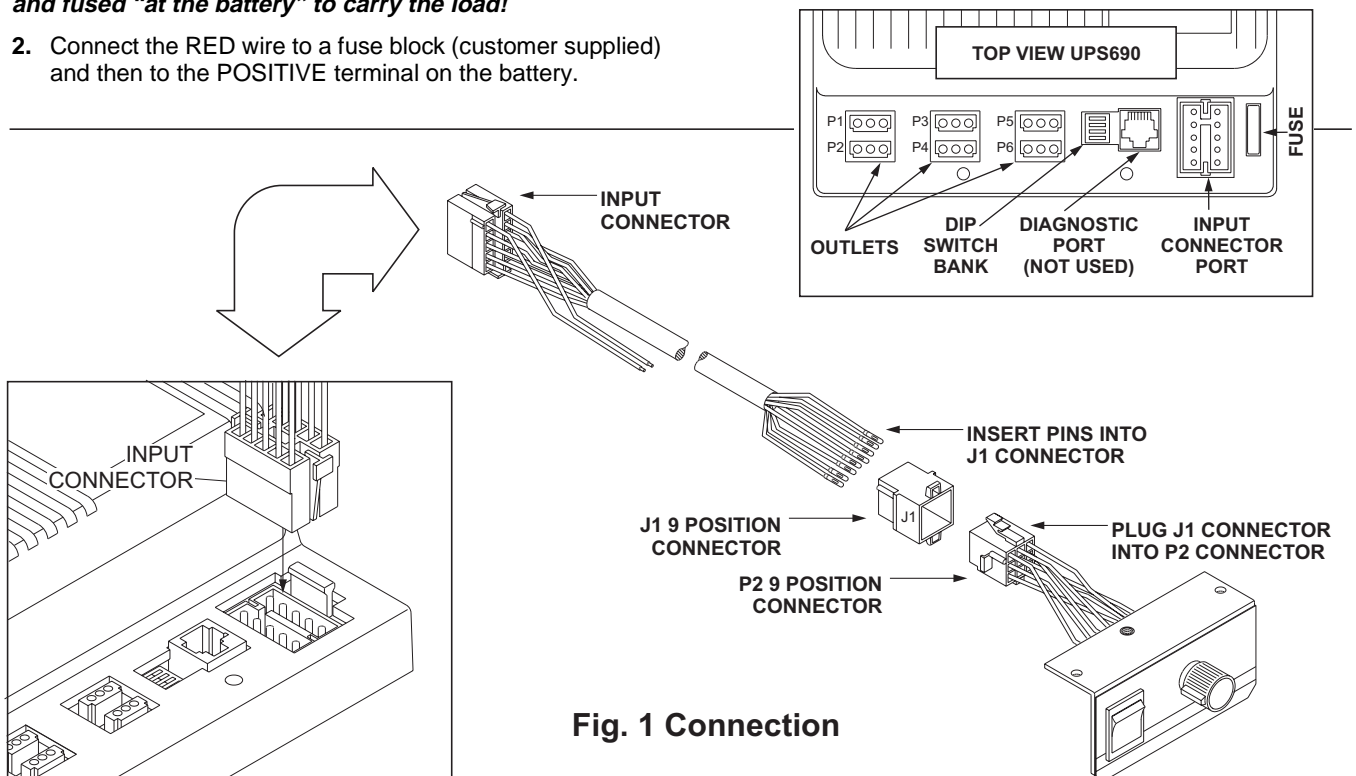


Fig. 1 Connection

### TACTL690 SPECIFICATIONS

CTRL VOLTAGE - 10 - 30VDC  
 OUTPUT CURRENT - 100 MA (TYP.) PER WIRE  
 HI/LO CONTROL - 10 - 30VDC (LO/POWER)  
 - N/C (HI/POWER)

PATTERN 1 - 10 - 30VDC  
 PATTERN 2 - 10 - 30VDC  
 PATTERN 3 - 10 - 30VDC

FUNCTION	BLUE	GREEN	YELLOW
LEFT	+ BATTERY	0	0
RIGHT	0	+ BATTERY	0
SPLIT	+ BATTERY	+ BATTERY	0
FLASH	0	0	+ BATTERY

0 = N/C

**Fig. 2  
Wiring  
Diagram**

