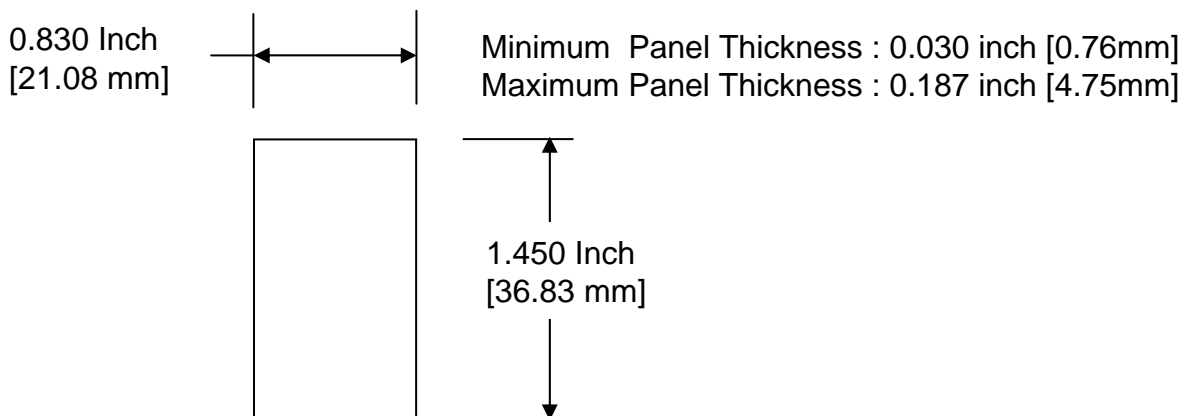


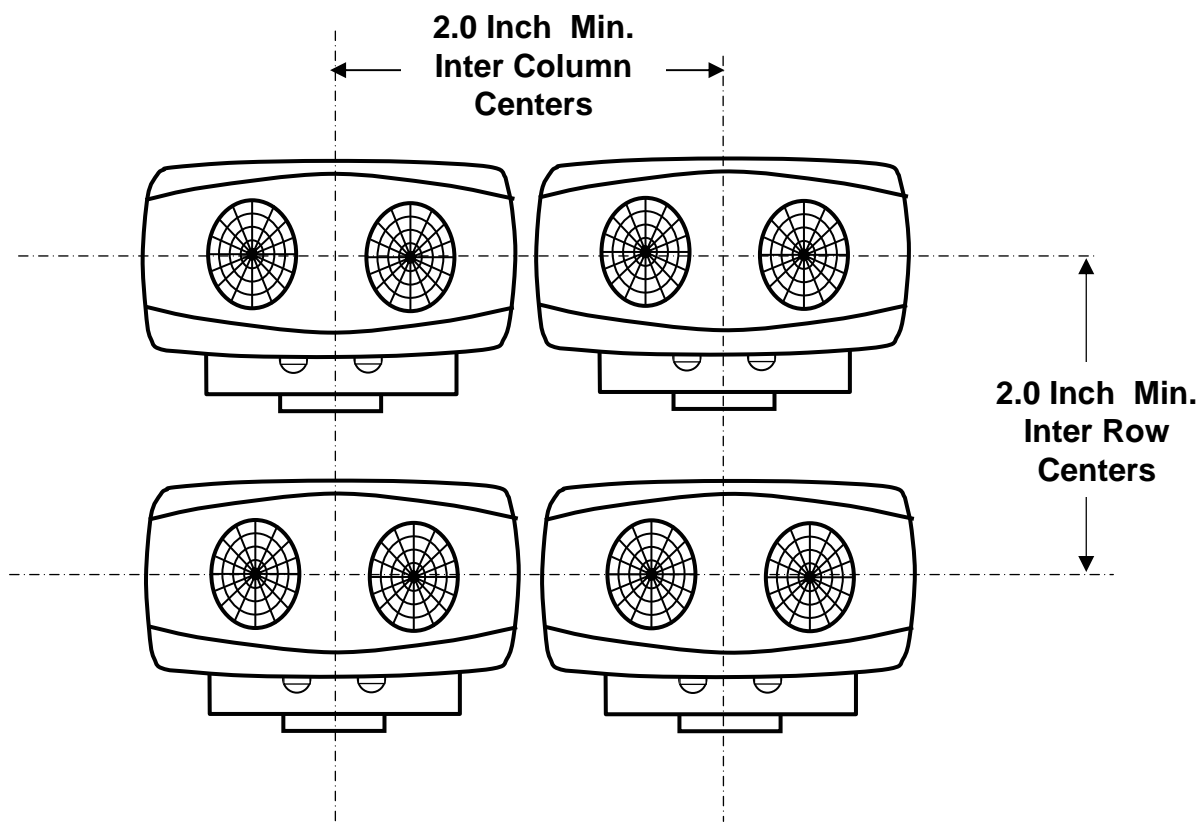
SVT Switch Mounting and Wiring Instructions

1. Mounting Hole Size : Use the Following (Industry Standard) Dimensions Cutout



2. Multi Switch Interspacing : In a multi switch install, space adjacent cutouts with adequate margins to prevent interference - wire crowding into tight bends or sharp turns near the RJ 11 plug must be avoided (Refer to # 4 – Switch Wiring).

The following minimum interspacing are recommended guidelines which covers both Vertical or Horizontal Switch orientation layouts (Horizontal Switch Orientation as shown – for Vertical Orientation simply turn the layout by 90 Deg i.e Rows and Columns interchanged)



SVT Switch Mounting and Wiring Instructions

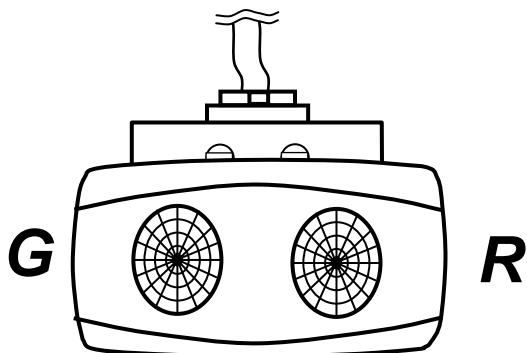
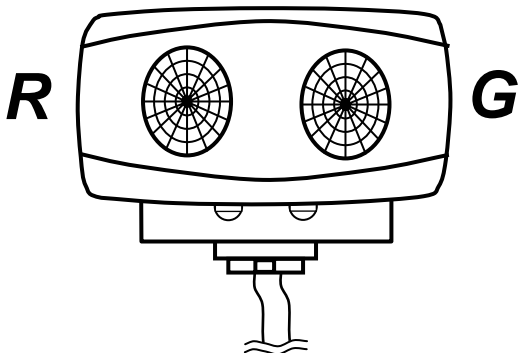
3. Mounting Orientation: Switch/es may be mounted Horizontally for either Left or Right press operation or vertically for either Top or Bottom press operation.

NOTE: The RED LED ('Valve Open') Indicator is on the 'Press to Operate' side.

R-Red LED

HORIZONTAL

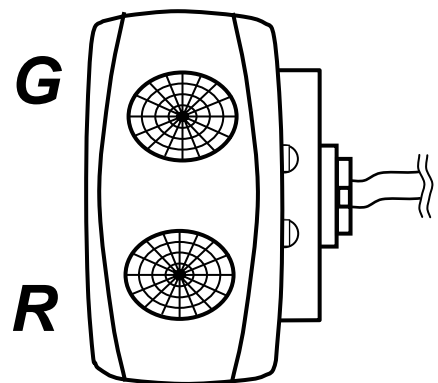
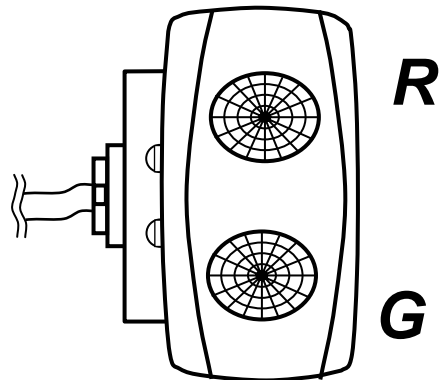
Left Press Operation



Right Press Operation

VERTICAL

Top Press Operation



Bottom Press Operation

SVT Switch Mounting and Wiring Instructions

4. RJ 11 Wire Routing.

The RJ 11 cable is extremely easy to work with, layout out and route. It carries very low level currents leaving the main power to be handled directly by the controller making the system virtually loss-less and completely independent of the operating distance.

Each RJ11 cable carries all the necessary signals to and fro the switch and the valve, making multi switch and/or multi valve installs a breeze.

Routing of the cables is completely non critical; the system has excellent immunity. Cables may be run as supplied, singly, or combined like a harness or optionally sheathed over using automotive grade split sheathing. They may be routed alongside other wire bundles, harnesses or even hydraulic lines.

The 12 V power to the on board valve controller may be combined at a convenient point along the routing path of the RJ11 wire/s. Use of P -Clamps and tie wraps provide for a reliable and neat install.

Time spent in pre-planning the best routing options is a wise move rather plunging headlong without a plan.

3.1 Option 1 – Valve First Approach: Plug one end of the RJ11 cable into the Valve Controller RJ11Port first , route the wire out through to the panel opening and connect to the Switch. This approach usually lends itself favorably for switches installed on the outside of the coach or RV where all around access is feasible.

3.2 Option 2 – Switch First Approach: Plug the Wire into the Switch RJ 11 socket first , drop it through the panel opening then route and plug it into the it to the Valve controller. Option 2 in most cases works well for switches installed on the inside of an RV wall panel for example or in limited access situations.

In either case the switch and panel cutout dimensions permit the switch to be mounted with or without the cable plugged in. If the rear of the panel is accessible the wire may be optionally plugged in after the switch is mounted.

Strain relief of the RJ 11 cable close to the valve and to the switch, where feasible, is strongly recommended. Valve side access almost always permits strain relief to be accomplished with ease but on the switch it depends on rear accessibility. If rear is non-accessible try anchoring or hooking the wire around any feature giving sufficient slack - the plug should rest in the socket without the cable being under tension, or pulling one way or the other.

Excess cable if any should be neatly bundled, tie wrapped, and secured to prevent snagging. The excess cable bundle should NEVER be left dangling or pulling down on the socket.

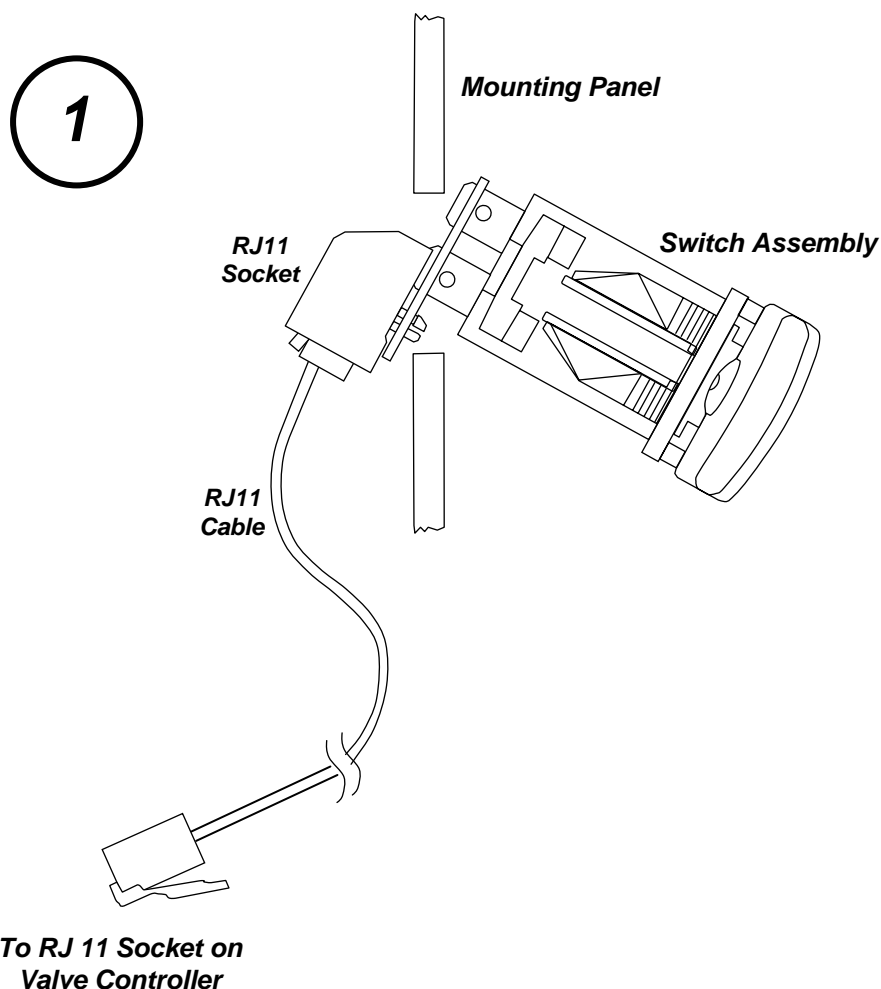
In multi valve and / or multi switch installs, labeling the cables according to the function greatly facilitates the install process and later serviceability.

SVT Switch Mounting and Wiring Instructions

5. Switch Insertion : The following illustrations shows switch insertion method.
Step 1

IMPORTANT : *Prior to insertion determine if the insertion is with the RJ11 wire plugged or unplugged. If rear access to the switch assembly is not available be sure to plug in RJ11 first. **Once Fully inserted Switch cannot be easily removed - Refer Insertion Step 4.***

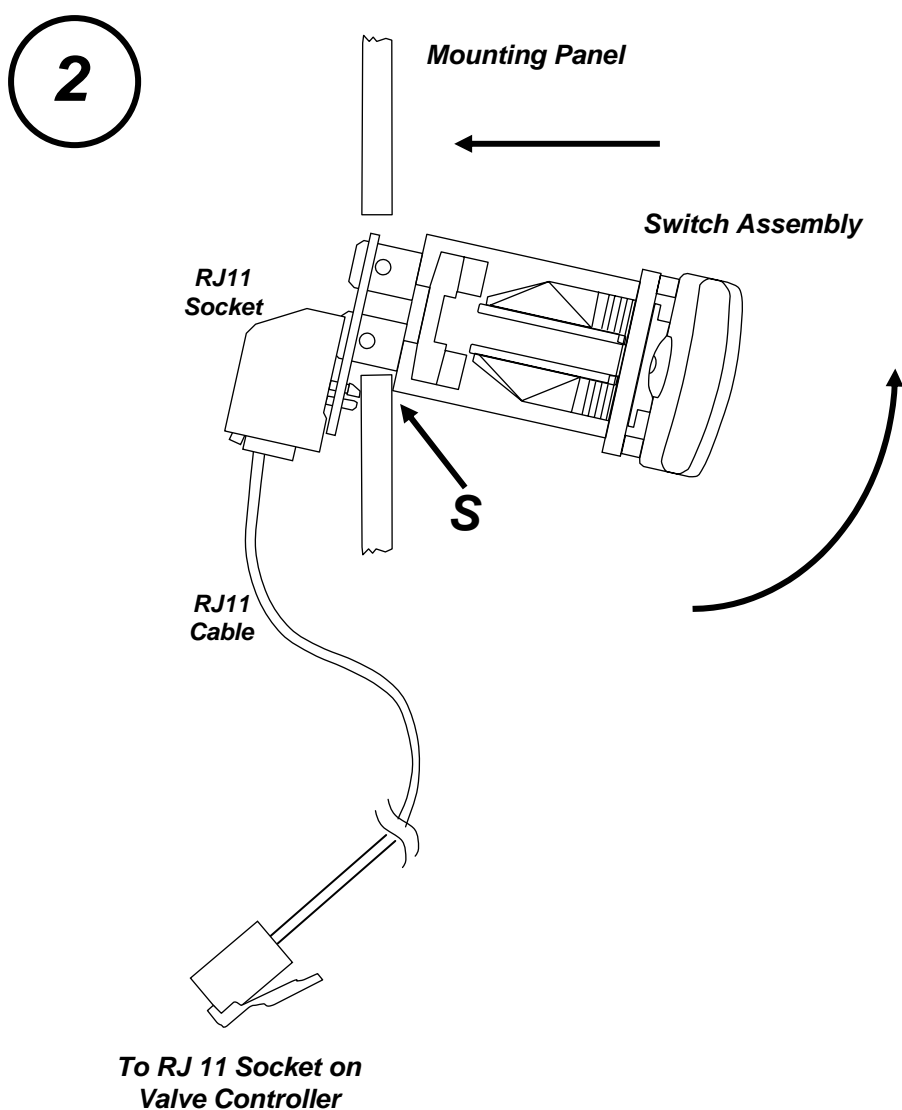
With or without the wire plugged in, as the case may be, angle the switch as shown - this will gain the initial entry.



SVT Switch Mounting and Wiring Instructions

5. Switch Insertion : Step 2

Turn the switch assembly into the slot as shown till the mounting panel edge resides in the tab space **S** in the illustration. From this position the switch body can be eased into the slot without interference even with the maximum allowable panel thickness (Refer Mounting Hole / Panel dimensions)



SVT Switch Mounting and Wiring Instructions

5. Switch Insertion : Step 3 and Step 4

Continue pushing the assembly into the Panel slot. It should slide in nicely till at the end resistance is felt - push in firmly till seated flush. The splined fins on the switch body will secure the switch in place. **Removal requires a special tool so be sure you are in complete readiness for step 4.**

