

Doc DM106

Master Switch Installation

Applicable to S3VT and S2VT Pro Series Valves

Master Switch:

An Optional accessory to enable or disable the system; prevents inadvertent activation when the RV is in motion or during hose hookup or disconnect; ensures valves 'home' to safe, closed position, at power up.

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Questions?
Call 1 877 787 8833

1. Direct Panel Mounting – Master switch 5890-DM30-20Amp SW

1.1 Fig. 1 – Panel Cutout

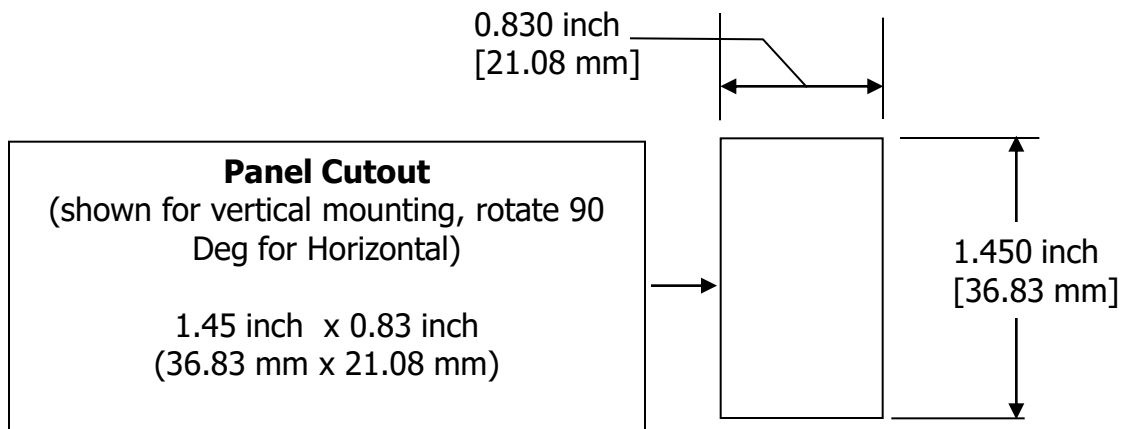


Fig 1.

1.2 Fig. 2 – Mounting panel thickness and rear clearance

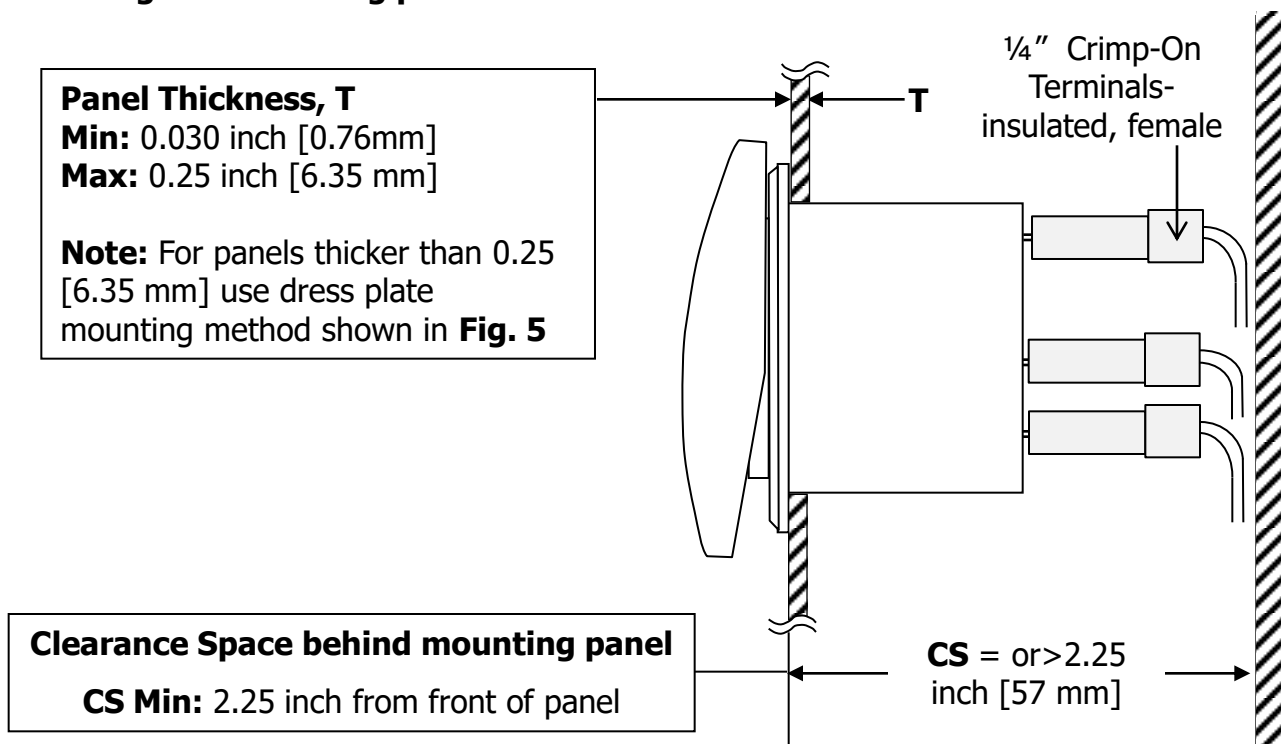


Fig 2.



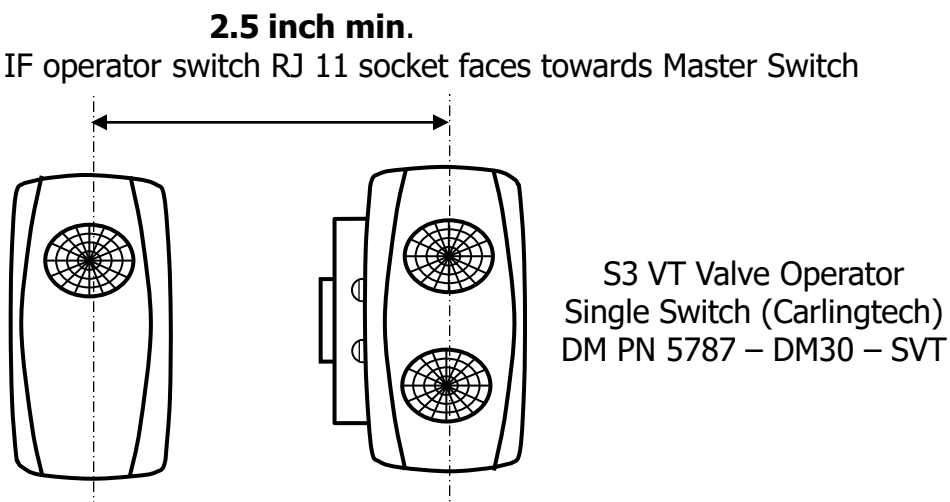
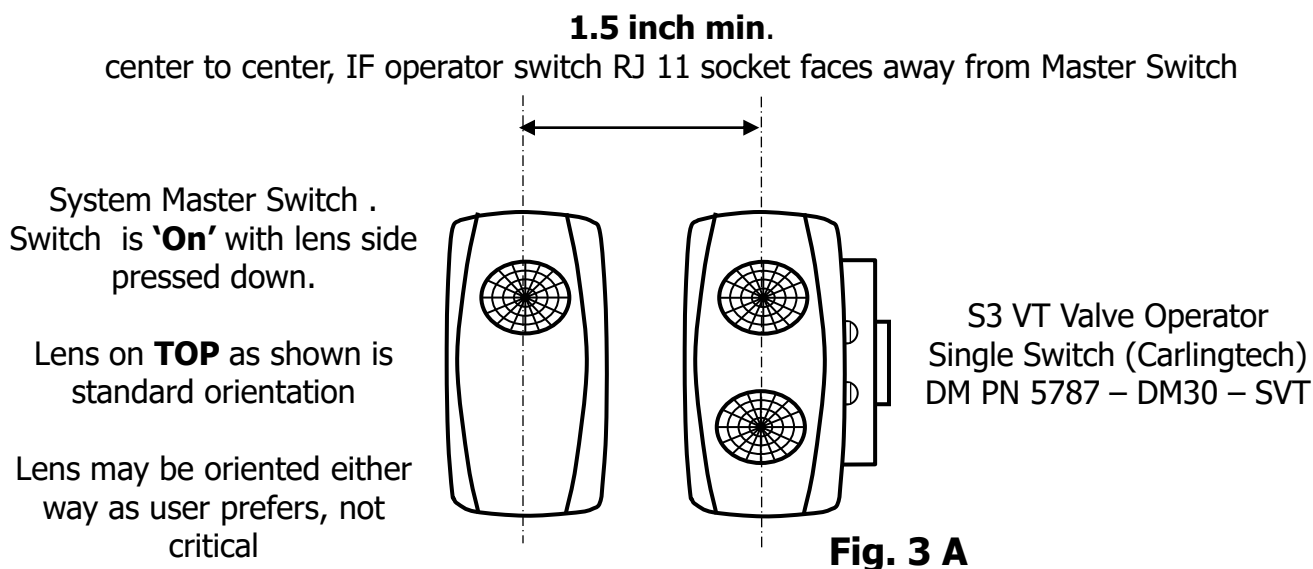
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1.3 Master Switch to S3VT Operator Switch spacing using direct panel mounting, Vertical layout:

Fig. 3 A: Preferred practice - operator switch RJ 11 socket faces away from Master switch

Fig. 3 B: Use if for space reasons, operator switch RJ11 socket must face Master switch

Switches may be on either side of each other, left or right, doesn't matter.



Important: Strain relieve System switch and Operator Switch cables close to switch. Excess cable must be bundled and secured and not weigh down on connector or terminals

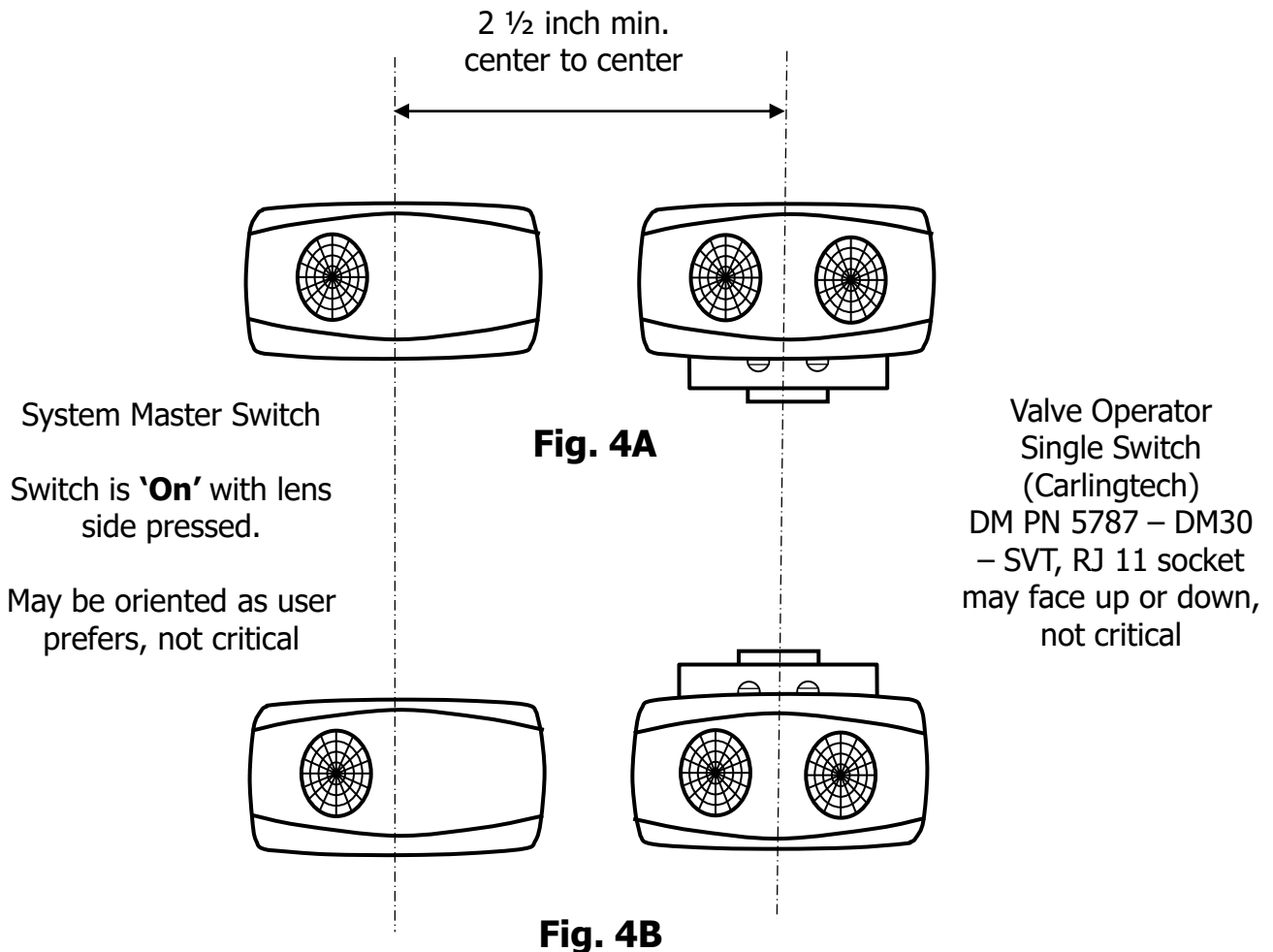


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1.4 Master Switch to Operator Switch spacing using direct panel mounting, Horizontal layout

Note: Fig. 3 A, B Vertical layout: Prevalent industry practice, preferred & recommended
Fig. 4 A or B: Use horizontal layout if space limitations prevent vertical mounting

Switches may be on either side of each other, left or right, doesn't matter.



Important: Strain relieve all Switch and Interface cables close to switch.
Excess Cable must be bundled and secured and not weigh down on connector or terminals



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2. 5890-DM30-20Amp SW Mounting using Dress Plate (Optional)

2.1 Fig. 5 – Panel cutout and dress plate dimensions:

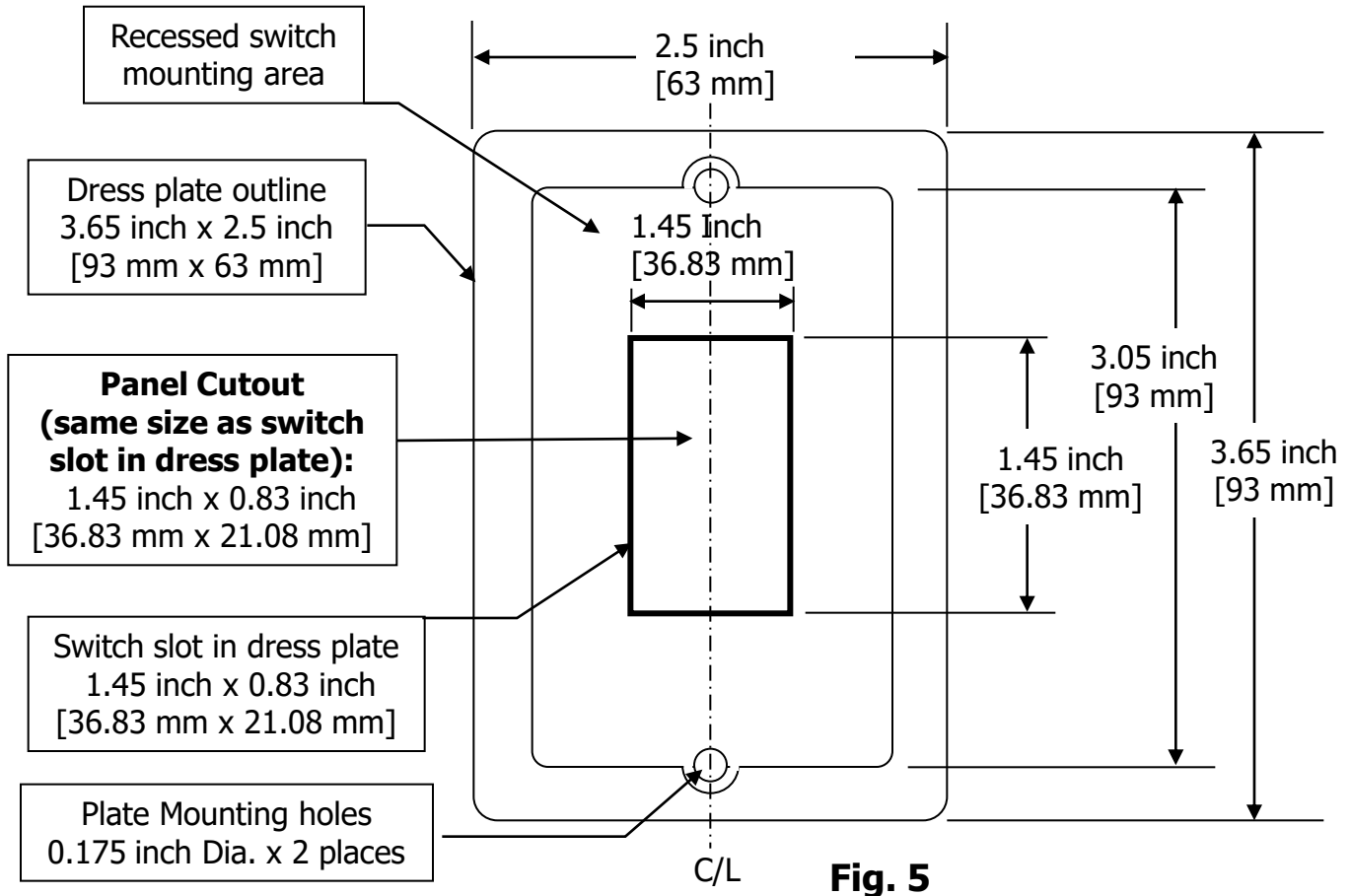


Fig. 5

Panel Thickness:

Min: Not specified – Panel thickness must adequately support dress plate
Max: 1 inch [25 mm]

2.2 Multi switch interspacing using dress plate:

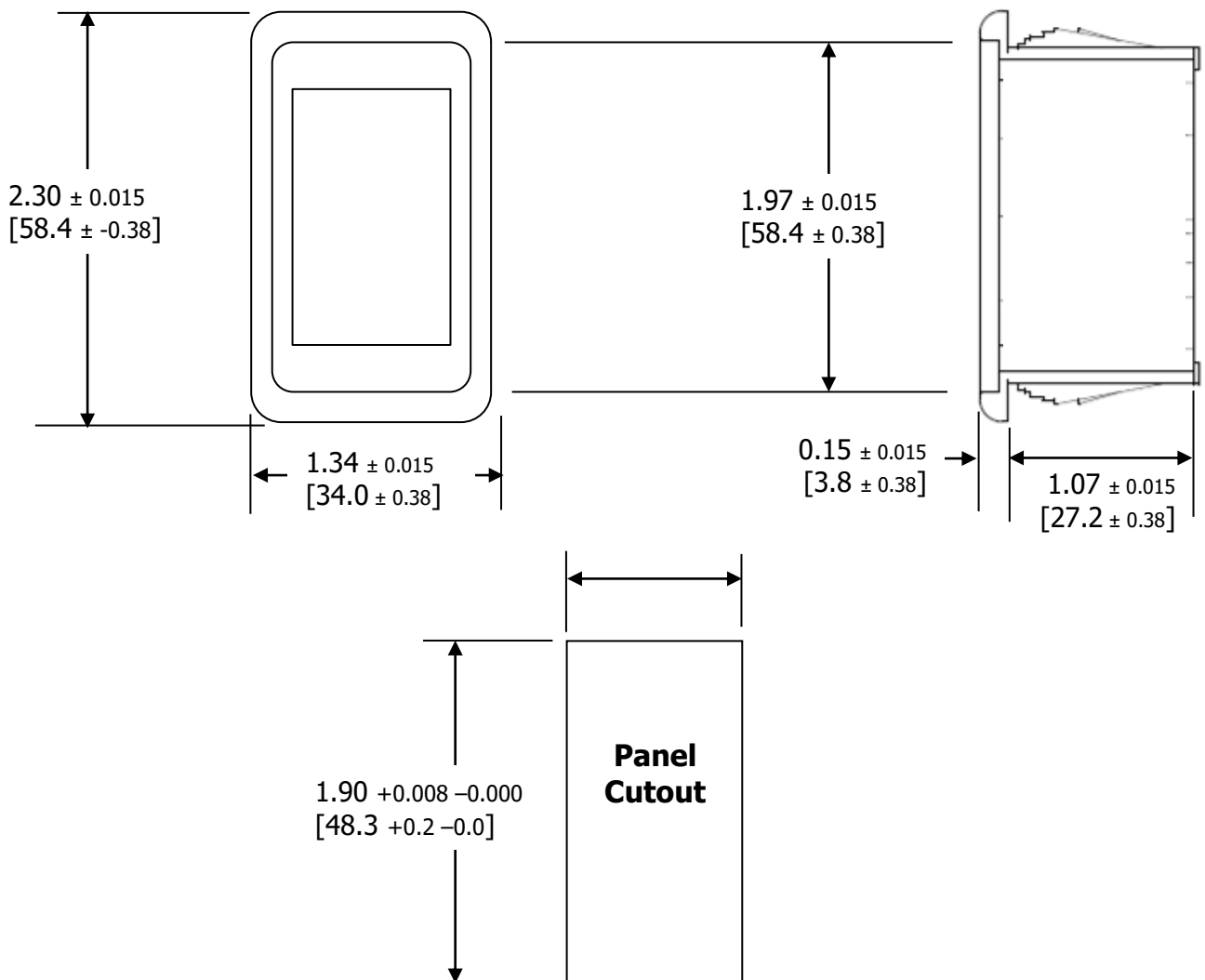
Vertical mounting is prevalent industry practice - requires center to center > **2.5 inch**
Horizontal Mounting (use if space limitations restrict vertical mounting) requires center to center > **3.65 inch**



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3. 6044-DM30-20Amp SW in Mono Housing Mounting

3.1 Dimensions and Panel Cutout



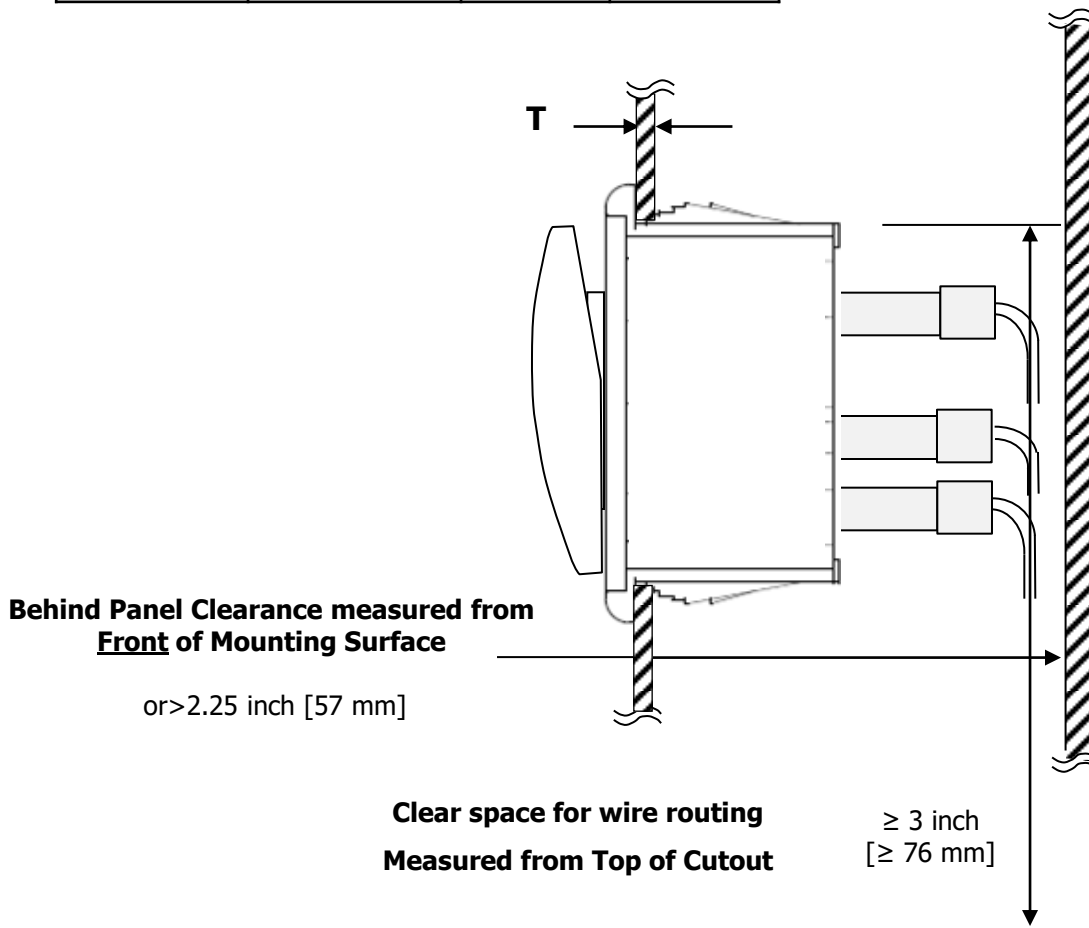
1. Dimensions in Inches [mm]
2. A Cutout template is included with each Switch Assembly
3. If Dwg. is used as template, please verify printout dimensions as printers vary



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3.2 6044-DM30-20Amp SW in Mono Housing – Panel Thickness and Behind Panel Clearance Requirements

Std. Panel Thicknesses, T , to Snap-fit Housing			
INCHES		MILLIMETERS	
0.062	±0.003	1.57	±0.08
0.093	±0.003	2.36	±0.08
0.125	±0.005	3.17	±0.13
0.187	±0.005	4.75	±0.13
0.250	±0.005	6.35	±0.13
0.375	±0.005	9.52	±0.13



1. Dimensions in Inches [mm]
2. Do no use Dwg. as template



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Download or view Pro-Series companion documents in PDF format from 'Product Manuals' at our website.

- DM101 S3VT Valve Installation
- DM102 S3VT Operating Switch and Cable Installation
- DM103 S3VT Valve Configuration Guide
- DM104 S3VT 12V DC Wiring Diagram
- DM106 S3VT or S2VT System Master Switch Installation
- DM107 S3VT Product and Mounting Space Dimensions

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