



## PSFSS - Catalog and Instructions

### Features

Main interface designed for VRS DFP RJ45 connection .

Normally Closed Power switch for use with remote switch capable devices.

Traditional eStop usage for Torque or DC power Cutoff.

Aerospace Grade Carbon Fiber Faceplate.

Designed to complement 80/20 40mm profile.

Optional Connection Wires offer functionality with various Direct Drive Wheelbases.  
(not included as standard select option when ordering)

### Options

80-20 Mounting plate options allow the PSES unit to be mounted cleanly to a 40mm (or other) 80/20 profile.  
(PSFM & PSSM)

Connection Wires to allow other Direct Drive units to use the PSES for eStop purposes.



## VRS/Universal Safety Switch

(PSES)

The PSES Emergency Switch unit was designed for use with the VRS Direct Force Pro 20Nm Direct Drive wheelbase to give additional safety to the user should the device get into a runaway state. By Pressing the Red Emergency Button all torque is cut to the main drive system allowing the user to regain control of the wheel system. In addition the integrated Power switch allows remote power cycling and control of the DFP control box.

This eStop unit is also compatible with other devices can use an eStop via optional connection wires. If looking for use with the Fanatec DD1/DD2 unit please look at our PSFSS unit.



## PSES Instructions...

### Connection and use of the PSES Emergency Switch:

The PSES unit connects to your VRS DFP wheelbase through use a single RJ45 ethernet cable. Once connected you may turn on the main power switch on the back of the DFP Control Box and use the switch on the PSES as your main power switch. In the event of a torque runaway event pressing the Red Emergency Stop button will cut Torque from the DFP but not power. This torque cutout allows you to regain control of the wheel and return the game to a state where the device will no longer cause a danger. Make sure you have reset or exited the Game enough to where the Wheel will not return to an unstable state after re-enabling the eStop switch by turning it to the point where it releases.



#### Notes:

**Dimensions and Mounting** - M37.75 x M78 x M39 (button height not included)  
Integrated M5 Mounting locations on centerline (length) M40 apart.

### PSFSS Options:

**PSSM and PSFM Mounting Kits** - These mounting kits allow you to mount the PSES to a 40mm 80-20 profile in a clean manner. Included in the kit is a plate with holes drilled for M5 and M6 screws. Use the two included M5 screws to attach the PSES to the plate using the M5 mounting positions. You will need 2x M6 Screws and "T" nuts to complete the mounting of the PSES to your profile. The PSMS allows for mounting on either side of the profile by flipping the mounting plate while the PSFM kit is designed to allow mounting to the front of the 80/20 profile.



**PSES Optional Connection Cables** - These cables are offered to allow for the PSES to be used with other wheelbase options besides the VRS DFP. Currently only a Universal Option that works with units like the SimuCUBE SC1 is available. In this configuration the power switch is disabled. (Other bases may be compatible please contact us for information)



## About, Contact, and Customs Information...

### Contact Information

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### Catalog Notes

**Pricing** - There are no prices in this catalog. Current pricing can be found on our website along with further information.

**Ordering** - Throughout this catalog there are "Visit our website..." links that will open up the ordering page for the items in this catalog.

**Questions** - Feel free to email us at any time.

## About us...

Penguin r/c was opened in April of 1997 with the intent of creating the best products that could be made for reasonable prices. Originally we started business focusing on aftermarket parts and chassis upgrades for high performance remote control vehicles, pinpointing the areas where existing cars could be made to perform beyond their original design. Penguin r/c made a name for itself by achieving this goal through products where the additional performance gained far outweighed the cost of the parts. Having racked up a couple of championships and a good name in the market place we slowly transitioned into becoming a more involved OEM supplier for other manufactures in the r/c industry and other industries. We still sell and support our r/c products to this day and will continue to do so with every product we produce. In 2010 we started manufacturing parts for a high-end simulation company and found a renewed love for racing in the form of iRacing and Simulation equipment. In 2018 we decided that we could bring our expertise in manufacturing and design to the Simulation products market and started researching and designing what you see today. We hope to bring the same values and customer support to the simulation marketplace as we have for years as an OEM manufacturer and part supplier to the r/c industry.

## Custom Designs...

Penguin r/c is capable of Custom Manufacturing and Design of prototype and production parts for individuals and companies. Most of our manufacturing is done in-house which allows us significant control over the quality and assembly of parts we manufacture and allows us to make prototypes that have the quality and durability of production pieces. If you have anything that you would like to produce please feel free to contact us about the possible product.