Sip/Puff Switch with Gooseneck

Getting Started and Installation Guide

Figure 1: Sip/Puff Switch with Gooseneck

Origin Instruments Sip/Puff solutions are ideal for people who have limited or no motor capability enabling them to operate switch activated devices, including computers, augmentative communication devices, adapted toys, environmental control systems and devices accessed or controlled via scanning.

The Sip/Puff Switch with Gooseneck package consists of:

- Sip/Puff Switch with integrated “sip” and “puff” pressure switches
- Gooseneck with universal clamp
- 6-foot (1.8-meter) tube with pneumatic connectors at both ends
- 4 filtered mouthpieces
- Cables (1 mono and 1 stereo)
- Documentation

Strong, lightweight and versatile, the Sip/Puff Gooseneck features a universal clamp that securely attaches to table tops, beds and wheelchairs. The flexible steel gooseneck and the ball-and-socket mount enable easy and secure mouthpiece positioning. The filtered mouthpiece is replaceable and a thin, pliable connecting tube interfaces to the Sip/Puff Switch with a simple twist connector.

The Sip/Puff Switch has two connectors for the sip and puff switches and a pneumatic connector for the Gooseneck. The electrical connectors are 1/8-inch (3.5mm) microphone connectors and are the type typically used for adaptive switches. The switch contacts are normally open; closure is made with a sip or puff to the mouth piece. The switches are designed for low current and voltage applications.

WARNING: Do not use the Sip/Puff Switch to control currents greater than 0.040 amps or voltages greater than 30 volts. Larger voltages and currents may permanently damage the switch and will void the warranty.

(a) (b)

Figure 2: (a) Switchbox electrical connectors and connector sense switch. Stereo cable should be plugged into the center connector. (b) Pneumatic connector.

Two cables are included with the Sip/Puff Switch. Connect a stereo cable to the center connector if both sip and puff closures are communicated to the controlled device using one cable.

(a) (b)

Figure 2: Mating plugs for Sip/Puff Switch jacks, 1/8" microphone (3.5mm). (a) Mono plug has switched contact on the tip with the common contact on the sleeve. (b) Stereo plug has switched contacts on tip and ring with the common contact on the sleeve. Stereo cable is ALWAYS plugged into the center connector.

With connector sense switch to the “left” and a stereo cable, a sip will cause a closure between the “TIP” and “SLEEVE” and a puff will cause a closure between the “RING” and “SLEEVE.” The right jack must remain open when using a stereo cable. Slide switch to the right to reverse contacts on the center connector.

The Gooseneck tube is attached to the Sip/Puff Switch via the 6-foot tube with special pneumatic connectors at each end. Simply slide the halves together and gently twist the lock nut. *The nut should not be over tightened.*

Cleaning and Replacements

Four filtered mouthpieces are shipped with the Gooseneck. When a mouthpiece wears out it is replaced by gently twisting off the old one and twist connecting on a new one in its place. Replacement mouthpieces are available from Origin Instruments (http://shop.orin.com)

The Sip/Puff Switch may be cleaned with a damp cloth, but it should never be soaked with any water or cleaning solution. Do no put or allow any kind of liquid into the pneumatic connector on the Sip/Puff Switch.

The Gooseneck and clamp may be cleaned by wiping the exterior with a damp cloth. Do not soak or immerse the Gooseneck. The mouthpiece aseptic filter should eliminate the need to clean the Gooseneck tubing. However, with the mouthpiece removed alcohol may be forced through the plastic tubing using a can of clean, compressed air. The tubing must be allowed to thoroughly dry, otherwise cleaning solution may contaminate the mouthpiece filter or pressure switch.

Customer Support

Origin Instruments provides world-class technical support. Our customer support services are staffed by highly qualified technical personnel ready to solve any installation, usage or operational issue that you may encounter.

Support is provided by Origin Instruments during the hours of 8:30 a.m. to 5:30 p.m. Central Standard Time, Monday through Friday. For product support, please call (972) 606-8740 or email support@orin.com.

Related Origin Instruments Products

- Multi-User Sip/Puff Switch - Multi-user version of Sip/Puff Switch designed for use with special, disposable mouthpieces. Perfect for assessment centers, healthcare facilities, hospitals, etc.
- HeadMouse® Extreme – Wireless head-pointing computer mouse emulation
- SofType™ – Onscreen keyboard for Microsoft Windows
- Dragger™ – Mouse click utility for Microsoft Windows
- KeyStrokes™ – Onscreen keyboard for Mac OS
- SwitchXS™ – Switch scanning software for Mac OS
- Swifty™ – USB switch interface for wired and wireless connections

- Beam™ – Wireless switch transmitter

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