Model D4166
Safety Locking ON/OFF Switch
Instruction Sheet

SHOP FOX®

⚠WARNING

To reduce risk of serious burns, electrocution or death when installing this switch:

- **Only use this switch to replace an existing machine switch that has the same physical configuration and equivalent electrical specifications/ratings.**

- **Installation must only be performed by an electrician or qualified service personnel, and all applicable electrical codes must be adhered to.**

- **Turn *OFF* and completely disconnect all power sources to the machine before installing the switch.**

- **Do not use this switch in wet or damp locations, or near explosive fumes or flammable liquids. It is not sealed or rated for these environments.**

- **Make sure there is a verified machine ground on the circuit this switch is installed.**

Safety Key

Figure 1. D4166 Safety Locking ON/OFF Switch.

Introduction

The Model D4166 features a large ON/OFF paddle with a removable safety key that can be used to disable the switch. This switch is designed to fit into $7/8$" x $1^1/_2$" rectangular hole or be mounted over a $1^1/_8$" x $2^1/_4$" rectangular hole with four #5 screws.

Specifications

Rated Horsepower 2HP
Rated Voltage 125V/250V
Rated Current Amperage 20A

Installation

When installing the D4166 switch, use the wiring diagram in **Figure 2** to ensure proper wire connections.

> ⚠**WARNING**
>
> **This switch is intended to be connected to stranded wire with insulated quick-disconnect crimp-type female wire terminals having a ¼" tab.**
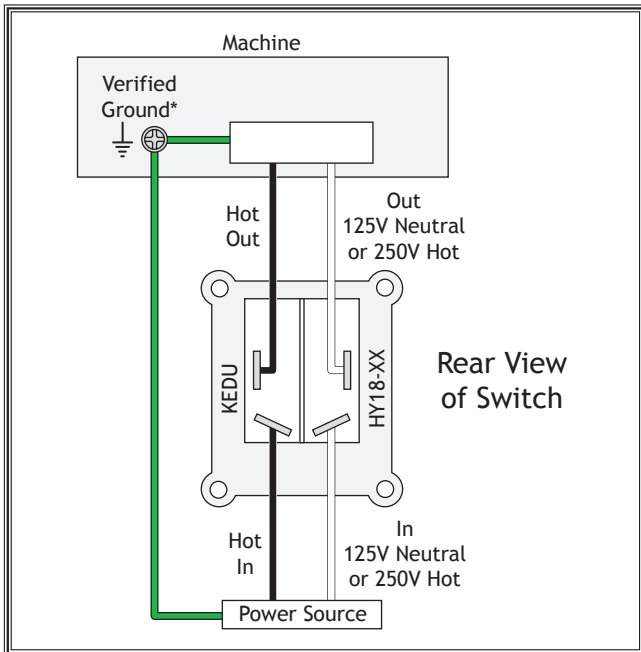>
> **All crimps must be "pull-checked" to ensure that wires are securely crimped and will not fall out with moderate tension or when exposed to normal machine vibration.**

Figure 2. D4166 wiring diagram.

*The machine MUST be connected to a verified ground. In the event of certain malfunctions or breakdowns, grounding reduces the risk of electric shock by providing a path of least resistance for electric current.

Operation

To turn the switch *ON*, make sure the safety key is properly inserted, then flip the paddle up.

To turn the switch *OFF*, flip the paddle down.

To disable the switch, turn the switch *OFF*, then pull the yellow key from the switch and store it in a well hidden or secure location.