

NAUTILUS Foot Operated Switch

WIRING =====

1. **⚠ WARNING: TO AVOID PERSONAL INJURY, DO NOT USE THIS SWITCH ON MACHINERY WITH AN UNGUARDED POINT OF OPERATION.**

⚠ READ WARNING STATEMENT on reverse side of this page.

2. When wiring up this device make sure **POWER IS OFF AND LINES ARE DEAD.**
3. **MAXIMUM FUSE RATING:** Amperage and voltage not to exceed nameplate rating – Quick Acting.

4. Supply cord with flexible conductors (leads) to be prepared as follows:
When wiring up this device with flexible cord an **UNDERWRITERS LABRATORIES LISTED** or equivalent liquid tight connector **MUST BE** provided. Use appropriate pipe thread sealant at assembly to seal connector threads.

When threading into the conduit opening, **CARE** must be taken to tighten the threaded joint sufficiently to prevent loosening but should **NOT BE FORCED**. The conduit threads should be kept clean, free from dirt and foreign materials that would hinder proper installation.

Use **UL/CSA** constructed cordage for North American applications and Harmonized cordage for International applications. Cordage must be suitable for use in wet locations.

Conductor sizes range: #18 to #12 AWG (0.75mm² to 4mm²).

Strip outer jacket 4 inches (101.6mm) long.

Cut back leads to the interior switch terminals to 2-1/2 inches (63.5mm) long.

Lead to protective earthing (grounding) terminal is 4 inches (101.6mm) long.

Strip inner leads to accept terminals. Use special purpose crimping tool to apply either #8 (4mm) or #6 (3.5mm) insulated ring type terminal for interior switch leads and #8 (4mm) ring type terminal for green / yellow protective earthing (grounding) lead.

FOR CE MARKED SWITCHES, PLEASE NOTE THE FOLLOWING:

The grounding conductor must be green / yellow in color and be long enough such that the grounding terminal will be the last terminal to take the strain, should the strain relief fail.

A cord guard or bend relief must be provided that extends beyond the liquid tight connector at least five times the overall diameter of the flexible cord.

5. Remove hinge screws (with lockwashers) and cover: well cover screws and well cover from base. (See Diagram "A").

Connect leads from supply cord to appropriate switch terminals (**NOTE:** for maintained models, remove interior switch angle bracket screw to facilitate wiring to switch terminals) and reassemble above components, being **CAREFUL NOT TO DISTURB OR PINCH** the well cover "O" ring.

Tighten #8 screw terminals and well cover screws 11 to 16 IN-LBS. (1.2 to 1.8 Nm) and #6 screw terminals 7.5 to 8.5 IN-LBS. (0.85 to 0.96 Nm).

Tighten hinge screws to 28-32 IN-LBS. (3.16 to 3.62 Nm).

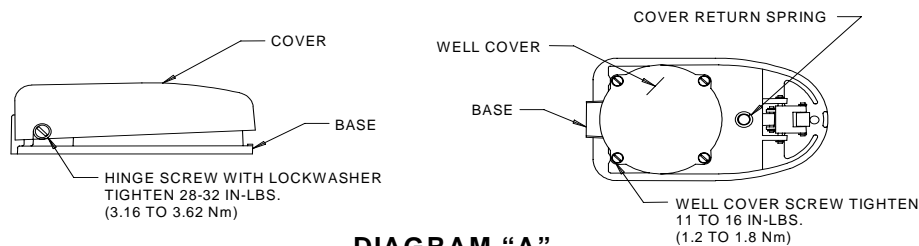


DIAGRAM "A"

6. **CLEANLINESS** must be observed during installation and in use.

On a **REGULAR BASIS**, lubricate the cover pivot with one or two drops of lubricating oil on that portion of the pivot that extends between the outside of the base and inside of the cover; two places, and all exposed actuating mechanism linkages.

On a **REGULAR BASIS**, inspect foot switch frequently to guard against wear, damage, unlawful alterations or removal of guards, or for unusual enclosure deterioration and the like. Inspect the entire length of the connecting cord (or wiring system) from where it enters the foot switch to the equipment its wired up to for wear, loose strain relief connections and the like. **DO NOT OPERATE** the foot switch if any of the above is observed or if the nameplate or warning label has been obscured or removed.

It is **IMPERATIVE** that inspection authorities and users exercise more than ordinary care with regard to installation and maintenance and that this information sheet be made available to the end user, operators, and maintenance personnel and to others responsible for proper installation and safe operation of this foot switch.

ADDITIONAL COPIES of this information sheet and warning labels are available upon request.

WARNING

Form 526-SS Rev. G

USE OF FOOT CONTROLS ON MACHINERY LACKING EFFECTIVE POINT OF OPERATION SAFEGUARDS CAN CAUSE SERIOUS INJURY TO THE OPERATOR.

Foot controls should only be used where “Point of Operation” and “Pinch Point” guarding devices have been properly installed and are utilized so that it is **IMPOSSIBLE** for the operator’s hands or fingers to remain within the point of operation during the machine cycle.

IT IS THE RESPONSIBILITY OF THE USER to determine the suitability of a foot control for the user’s intended use and to determine that the foot control chosen by the user and wiring up and installation of same will comply with all Federal, State and Local safety and health regulations and codes.

Due to the unlimited variety of business equipment, instruments, machines and vehicles on which our foot switches are used, the thousands of standards, and customers’ varying interpretations of the standards covering these applications, it is impossible for **LINEMASTER** personnel to be experts on standards and requirements for all these products. We offer over 150 stock foot switch models and guards plus a large variety of specials, which are made to customer specifications. We can advise you what is available in our foot switch line and you can examine models to see what meets your needs. We believe our customers’ engineering departments should be the qualified experts in their own product field and know what specifications or details they may require in a foot switch for their equipment. If one of our stock models meets their needs, they can specify it, or possibly ask for a modification of a stock model if that is required.

SHOULD YOU HAVE ANY QUESTIONS OR IF ANY OF THE ABOVE WARNING IS UNCLEAR, PLEASE CALL LINEMASTER SWITCH CORPORATION.

(860) 974-1000; FAX (860) 974-0691 OR (800) 974-3668.
www.linemaster.com

READ INSTRUCTIONS on reverse side of this page.

DEFINITIONS:

POINT OF OPERATION - The point or area of the machine or equipment where the work piece or material is actually positioned and work is being performed during any process such as cutting, shearing, punching, forming, welding, riveting, assembling, etc..

PINCH POINT - Any point at which it is possible for a portion of the body to be caught and injured between moving machine or equipment or work piece parts.

Form #526-SS

NOTE:

BLACK PRINTING ON 8.5" x 11" WHITE PAPER.

BOTH SIDES OF FORM MUST BE ORIENTED THE SAME.

FOLD IN QUARTERS WITH WARNING STATEMENT OUT.

DR: ADG DATE: 05-26-99 APPV.: RDC DATE: 05-26-99

REVISIONS:

LEVEL	DATE:	DESCRIPTION
A	08-01-96	REVISED TO A PURCHASED PART AND 16IN-LBS WAS 32 IN-LBS (DWO 358)(SLM)
B	05-24-99	REVISED TO BE A PURCHASED PART REDRAWN, UPDATED TO CURRENT ENGINEERING TANDARDS (ECN 003866)(ADG)
C	06-28-99	ADDED FOLDING SIZE & ORIENTAION. (ECN 003952)(ADG)
D	01-15-01 REILEF	ADDED NOTE REGARDING THE STRAIN ADDED WEBSITE TO SHEET #2. (ECN 006804) (KWH)
E	01-10-03	ADDED OVER CURRENT NOTE. (ECN 008001) (KWH)
F	06-03-04	REVISED THE NUMBERING AND THE "I" IN IMPERATIVE TO BE BOLD. (ECN 011903)(JTL)
G	06-18-09	See revision page @ F:\Files\Revision Pages\526