

NOVA Energy & Automation



Product Specifications

Roller Style Door Switch

Model NEA-DS

03 January 2012

Product Description

1. Standard Applications

The Nova roller style door switch is designed to meet the hospital-grade requirements of medical imaging suites. The switch is typically installed on door frames leading into medical imaging rooms. It is used as a safety precaution to prevent staff from walking into a room while treatment is being performed which prevents unnecessary exposure to radiation, or other related dangers. The switch prevents the equipment from starting if the door is not shut. It will also terminate a procedure if the door is opened unexpectedly.



Figure 1 Nova Roller style door switch



Figure 2: Adjustable Lever

Adjustable roller allows door switch to be calibrated after installation from 2.6 inches to 4 inches.

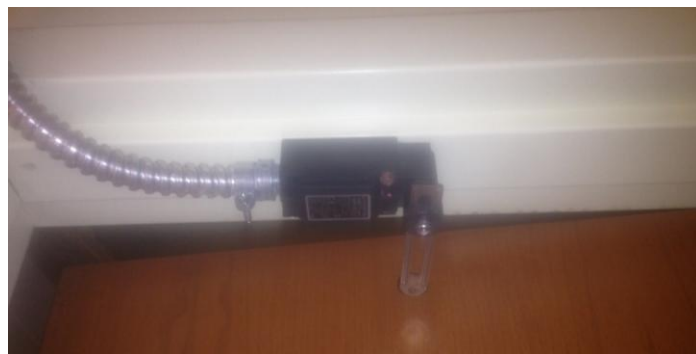


Figure 3: Installed Door Switch

2. Specifications

Model	NEA-DSW	
Application	Roller style door switch	
Electrical Rating	AC 10 A @ 24 VAC 6.5 A @130 VAC 3.1 A @ 230 VAC	DC 2.8 A @ 24 VDC 0.5 A @ 110 VDC
Contacts	Snap action contacts 1N.O. 1 N.C.	
Mounting	Quantity 1 - ½ inch NPT threads	
Mechanical Rating	25 million cycles	
Roller Adjustment	2.6 inches (68mm) to 4 inches (124mm)	
Contact Resistance	2.5 milliΩ	
Rated insulation Voltage	660V	
Wiring Connections	AWG14 (2x2.5mm ²) to AWG18 (2x 0.5mm ²)	
Dimensions	Height: 2.9" (74mm) Width: 1.61" (41mm) Depth: 1.59" (40.5mm)	
Approvals	UL/cUL CE	

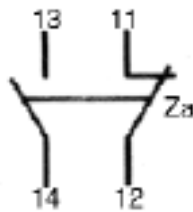


Figure 4: Wiring Terminal Markings

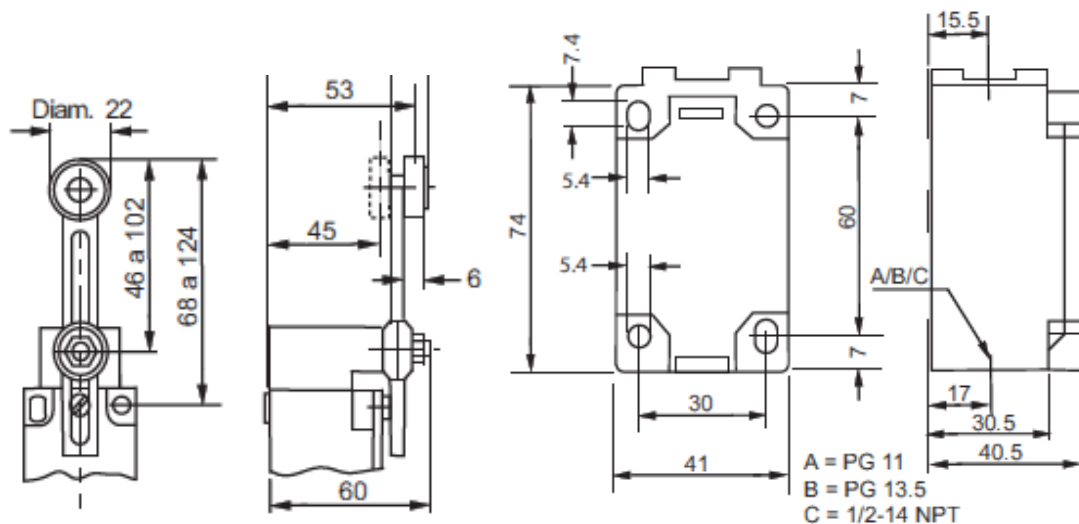


Figure 5: Dimensions

3. Warranty

This limited warranty set forth below is given by Nova Automation (“Seller”) with respect to the electrical equipment (“Product”) packaged with this limited warranty. The Product, when delivered to you in new condition in its original packaging, is warranted against defects in materials or workmanship as follows: For a period of one (1) year from the date of original purchase, defective parts or a defective Product returned to a Seller, or its authorized service providers, as applicable, and proven to be defective upon inspection, will be repaired, or exchanged for a new Product, as determined by the Seller, or the authorized service provider.

This limited warranty covers all defects encountered in normal use of the Product, and does not apply in the following cases: Loss of or damage to the Product due to abuse, mishandling, alteration, accident, electrical current fluctuations, failure to follow operating, maintenance or environmental instructions prescribed by Seller, failure to follow Sellers installation instructions, or service performed by someone other than Seller or its authorized service provider.

Nova assumes no responsibility for labor or freight costs incurred in connection with the installation, removal, or replacement of products determined to be defective or any consequential or incidental damages arising from the use of the product. Nova Automations entire liability on any claim of loss or damage resulting from a defective product is limited to the replacement of the product.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH IT WAS MANUFACTURED.

4. Product Service and Technical Assistance

Nova Automation, LLC
2722 N. Avondale Blvd
Milwaukee WI 53210
PH# 262-309-2950

Website: www.NovaAutomation.net