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Supplemental Industrial Switches

Definition

These switches are mechanical devices used to make and/or break an electrical circuit. They are either self contained limit switches or cylindrical push button devices designed to be solely operated by human hands.

Selection/Operation

The selection and use of a switch involves knowing the details of the particular installation. The cylindrical push button units are offered in three different styles. They are available with a zinc, brass or plastic outer shell. Plunger colors include zinc, black, red or green plastic. Large or small body diameters are offered. The machine limit switches, with their zinc die cast housings, are available with right or left hand operation and also with or without a roller arm for actuation. The large limit switch is provided with a die cast aluminum enclosure.

The slow make-slow break single circuit cylindrical push buttons are rated 'Standard Duty" B300/P300. There are ten styles that are Normally Open contacts and two that are Normally Closed contacts. The small limit switches are all two circuit devices with one Normally Open and one Normally Closed contact. They are snap action mechanism that cannot be teased. The large limit switch also has a snap action mechanism and has two Normally Open and two Normally Closed sets of contacts.

Installation

Every installation is unique and distinct and all SAFETY REQUIREMENTS, PROCEDURES and LOCAL CODES should be strictly observed. Only a qualified electrical technician should be allowed to perform an installation or replacement. When using the cylindrical push button attached to a drop cable caution should be exercised on its use, placement and storage because of the possibility of accidental actuation. The plain end limit switches have the actuating steel shaft hardened to reduce wear from the actuating member. The other styles have steel rollers for the same purpose. Replacement arm assemblies are available (see page 63).
All mechanical devices, these units included, will wear out and eventually need to be replaced. The estimated minimum mechanical life is 500,000 operations for normal industrial use. Regular scheduled Preventative Maintenance inspections are strongly recommended. Some conditions to look for are:

- Physical damage to the device.
- Loose connections or components.
- Broken or weak springs.
- Worn internal components.

REES switches are designed and manufactured to surpass the basic standards of industry. If other assistance is desired please contact your local distributor or the factory.

See **"WARNING ON PRODUCT APPLICATION"** *page (2)*