

## REES EXPLOSION PROOF CABLE OPERATED SWITCHES

Rees, Inc. now offers rugged cable operated switches for use in hazardous atmospheres as defined by the National Electric Code handbook and the National electrical Manufacturers Association Standards for NEMA 7 and 9 hazardous locations. Specifically, they are listed for Class I, Division 1, Groups C and D and Class II, Division 1, Groups E, F and G.

These switches provide a quick positive shut off of dangerous equipment in an emergency or normal operation by pulling on the attached cable. The output contacts can control up to two separate circuits, one for machinery shutdown and one for alarm.

Available styles include:

- Taut cable with broken cable detection
- Slack cable with a positive safety lock
- Slack cable with flag status indicators

Operators of conveyors, assembly lines, material handling systems, etc. will be provided with a means to safely and quickly stop equipment with the pull of a cable installed for easy access.

**NEMA Type 7** – Hazardous Locations – Class I, Groups C or D (Flammable Gasses)  
Designed to meet the applications requirements of the National Electrical Code and is in accordance with the latest specifications of Underwriters' Laboratories, Inc., for Groups C and D, Class I (Atmospheres containing ethyl ether vapor, ethylene, cyclo-propane, gasoline, hexane, naphtha, benzene, butane, propane, acetone, benzol, lacquers, solvent vapors and natural gas).

**NEMA Type 9** – Hazardous Locations – Class II, Groups E, F and G (Combustible Dust)  
Designed to meet application requirements under the National Electrical Code and also in accordance with Underwriters' Laboratories for requirements of Class II, Group E, F and G locations. (Atmospheres containing metal dust, including aluminum, magnesium (and their commercial alloys), and other materials of slightly hazardous characteristics: carbon, black coal or coal dust, flour, starch or grain dust.)

**Class I, Division 1** – Where ignitable concentration of flammable gases, vapors or liquids can exist all of the time or some of the time under normal operating conditions.

**Class II, Division 1** – Where ignitable concentrations of combustible dust can exist all of the time or some of the time under normal operation conditions.

**ASME B20.1-2000, 5.11.4** – Conveyor controls shall be so arranged that, in case of emergency stop, manual reset or start at the location where the emergency stop was initiated shall be required for the conveyor(s) and associated equipment to resume operations.

### WARNING – DANGER

**These products should only be used where point-of-operation guarding devices have been properly installed & maintained so that appropriate OSHA and ANSI B11.1 regulations & standards are met. Misapplication of the products on machinery lacking effective point-of-operation safeguards can cause serious injury to the operator of that machinery.**