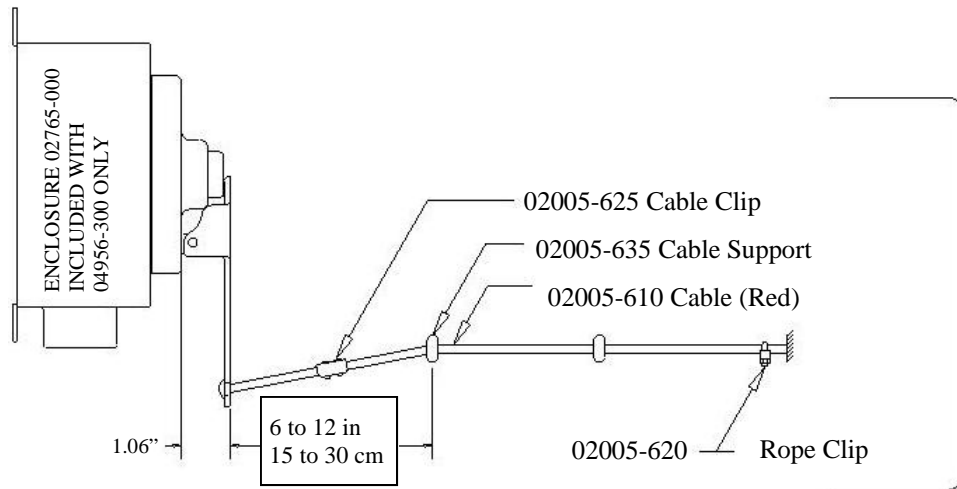


## INSTALLATION INSTRUCTIONS for ROPE OPERATED SWITCHES

03221-000	03275-000	03275-500	04956-300
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Accessories are NOT supplied with switch NOR are they required for all installations.

Since every installation is unique and separate, the following instructions can be considered flexible. There are some basic switch setup procedures that must be observed and they are indicated by the symbol (➤). The balance of the suggestions and information is subject to change to accommodate those most familiar and responsible for the installation.

### INSTALLATION:

1. Observe all SAFETY REQUIREMENTS and PROCEDURES during installation, set-up and running.
2. N.E.C. and local wiring codes MUST be followed at all times.
3. The cable switch MUST be mounted on a flat surface!
4. Wire as required, torque each used terminal screw to 18 in.-lbs. (20.7 cm-kg).
5. Cover screws (4) SHOULD be tightened to 7 in.-lbs. (8 cm-kg) torque.
6. The first cable support SHOULD be located 6 to 12 in. (15 to 30 cm) from the switch.
7. The first cable support SHOULD be located so that the cable is aligned with the switch shaft within 5 degrees.
8. It is recommended that the balance of the cable supports be spaced at intervals NOT exceeding 10 feet (~3m).  
Supports at properly spaced intervals are necessary to ensure that the cable weight will NOT affect switch operation.
9. The maximum recommended cable length is 33 feet (10 m) and SHOULD be in as straight a line as possible.
10. Wiring SHOULD be through the motor control circuit. (See reference diagram below)

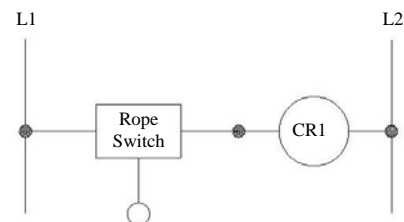
### MAINTENANCE:

1. Regular Preventive Maintenance inspections are recommended.
2. Some conditions to watch for are:
  - a. Proper trip/reset tensions and slack within the trip cable.
  - b. Physical damage to the device.
  - c. Physical damage to the cable.
  - d. Frayed wiring.
  - e. Loose cable connections.
  - f. Any loose components.
  - g. Any worn components.
3. If other assistance is desired please contact the factory.

### **Warning—Danger**

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

### SIMPLIFIED CONTROL CIRCUIT

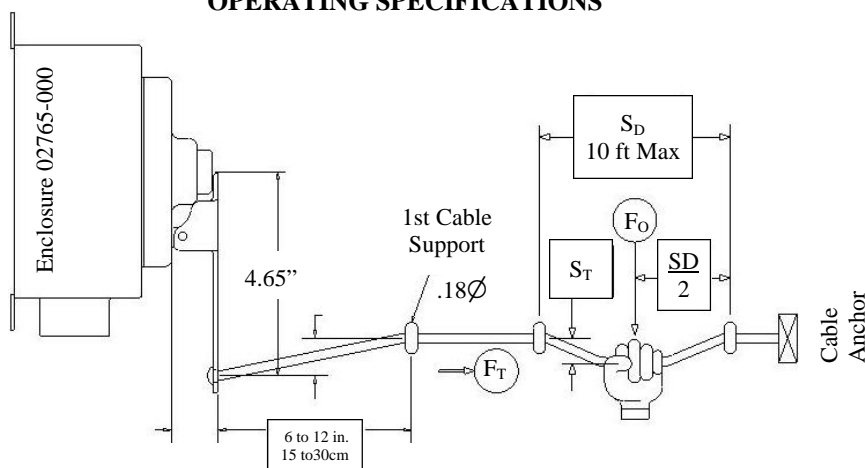


All wiring/components provided by user.

**REES, Inc. Fremont, IN 46737 260-495-9811 FAX 260-495-2186 www.reesinc.com**

04853-904 Rev. D 060209

## OPERATING SPECIFICATIONS



$F_T$  = The value of force, along the cable, which trips the switch.

$F_O$  = The value of force, applied by the operator perpendicular to the cable, which trips the switch.

$S_D$  = The distance between the cable supports.

$S_T$  = The distance the cable is deflected at the time of tripping. \*  $S_T$  is in addition to any slack "droop" req'd for set-up.

Catalog Number	Contact Arrangement	Reset Style	Conduit Openings (H)	$F_T$ Trip Force	$S_D = 5 \text{ ft.} / 1.5 \text{ m}$		$S_D = 10 \text{ ft.} / 3.0 \text{ m}$	
					$F_O$	$S_T$	$F_O$	$S_T$
03221-000	2 NO	Auto	N / A	<u>3 lbs.</u> 1.4 kg	<u>0.5 lb.</u> 0.3 kg	<u>1.5 in.</u> 3.9 cm	<u>0.4 lb.</u> 0.2 kg	<u>1.7 in.</u> 4.3 cm
03275-000	1 NO + 1 NC			<u>6 lbs.</u> 2.7 kg	<u>1.0 lb.</u> 0.5 kg	<u>3.0 in.</u> 7.6 cm	<u>0.7 lb.</u> 0.4 kg	<u>3.4 in.</u> 8.5 cm
03275-500	2 (NO + NC)			<u>5 lb.</u> 2.3 kg	<u>0.8 lb.</u> 0.4 kg	<u>2.5 in.</u> 6.4 cm	<u>0.6 lb.</u> 0.3 kg	<u>2.8 in.</u> 7.1 cm
04956-300*	2 (NO + NC)		1" NPT					
*04956-300 = (1) 03275-500 + (1) 02765-000								

**UL listed** (File E 58589);

**CSA certified** (File LR 3648);

**CE marked;** **D marked** (File 17205)

These switches comply with UL-508; CSA—C 22.2 No. 14-M1987;

EN 60947-1:1997; EN 60947-5-1: 1997;

IEC Ratings:

Utilization = AC 15, DC 13;

$U_e = 600 \text{ vAC}$ ;

$U_e = 250 \text{ vDC}$ ;

$U_i = 600 \text{ vAC}$ ;  $U_{imp} = 2.5 \text{ kV}$ ;  $I_{th} = 10A$

NEMA Ratings: AC = A 600;

DC = N 300

Temperature:

Operating =  $0^\circ\text{C}$  to  $+55^\circ\text{C}$  ( $-32^\circ\text{F}$  to  $+131^\circ\text{F}$ );

Operating Position: Can be mounted in any position.

Storage =  $-40^\circ\text{C}$  to  $+85^\circ\text{C}$  ( $-40^\circ\text{F}$  to  $+185^\circ\text{F}$ )

Mechanical Life Rating = 150,000 operations

Fusing Requirements: 10A Slow Acting; 16A Fast Acting

### AVAILABLE ACCESSORIES:

