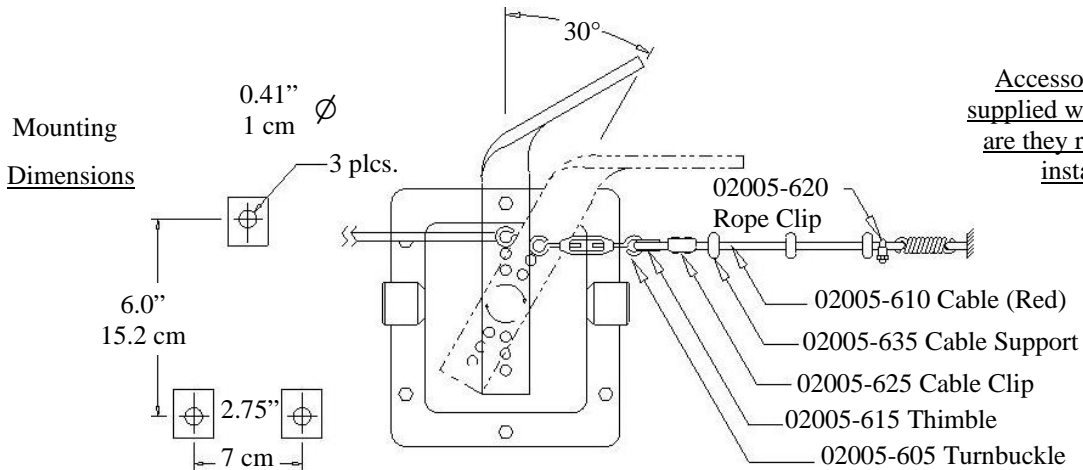


## SET-UP / INSTALLATION INSTRUCTIONS

for EXPLOSION RATED TAUT CABLE BI-DIRECTIONAL SWITCHES W/ BROKEN CABLE DETECTION

04966-000	04966-200
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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:

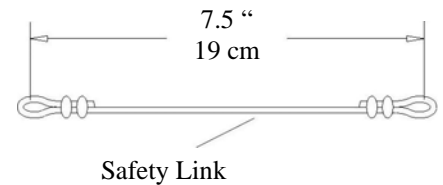
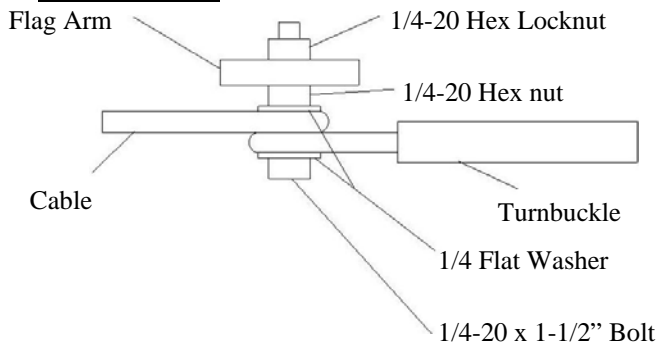
1. Observe all SAFETY REQUIREMENTS and PROCEDURES during installation, set-up and running.
2. N.E.C. and local wiring codes MUST be followed at all times.
3. The cable switch MUST be mounted on a flat surface! (Recommend 3/8-16 Bolts torque to ~16 ft./lbs. ~221 cm-kg)
4. Notice: cover screws MUST be torqued to 12 ft.-lbs. each, & conduit entries must be sealed to meet explosion ratings.
5. The first cable support SHOULD be located 6 to 12 in. (15 to 30 cm) from the switch. (see drawing on other side)
6. The first cable support SHOULD be located so that the cable is aligned with the switch shaft within 5 degrees.
7. 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.
8. The maximum recommended cable length is 100 feet (30.48 m) in each direction and SHOULD be in as straight a line as possible. Switch must be centered between cable runs such that both sides are equal within 5' (1.5m).

NOTE: 1. Wiring SHOULD be through the motor control circuit. (See reference diagram - over)

2. TWIST WIRES TOGETHER BEFORE INSERTING IN TERMINAL

(ENROULEZ LES FILS ENSEMBLE AVANT LES INTRODUIRE DANS LA BORNE.).

### Turnbuckle Detail:



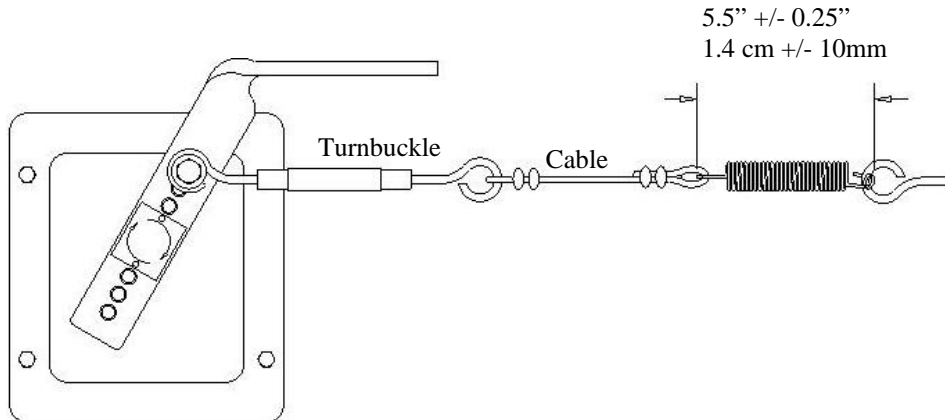
### SET-UP and USE:

- 1. Attach one spring and one safety link to each end eyebolt (see figures above)
- 2. Attach one cable end and turnbuckle using bolt, two (2) nuts, two (2) washers, and lock nut, to top flag arm hole.
- 3. Attach second cable end to turnbuckle end. Run cable in each direction to attach to springs installed in step 1.
- 4. Attach cables to springs and safety links. Do not tighten cable clamps. (Over)

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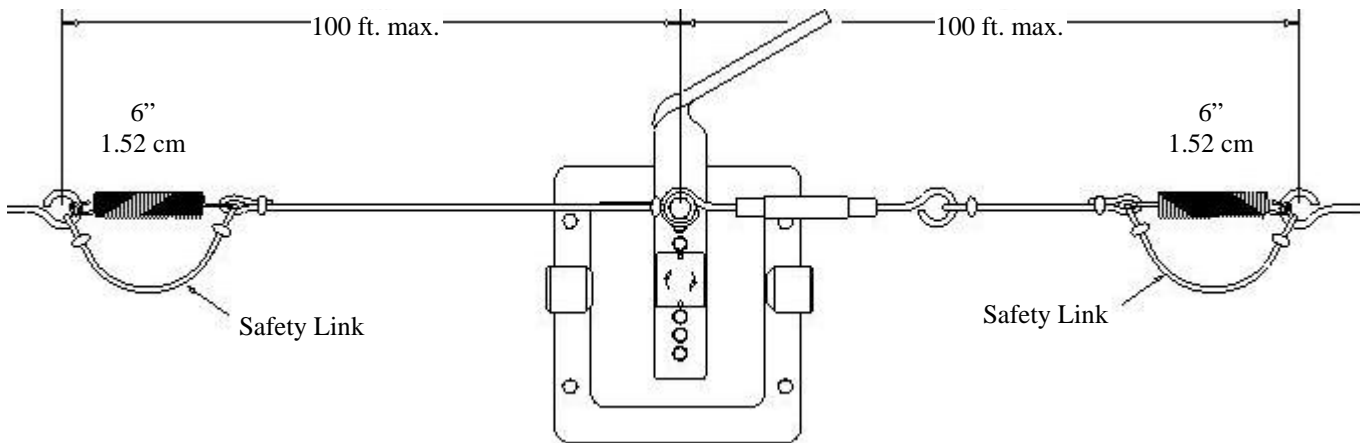
## SET-UP / INSTALLATION INSTRUCTIONS - CONT.

for EXPLOSION RATED TAUT CABLE BI-DIRECTIONAL SWITCHES W/ BROKEN CABLE DETECTION



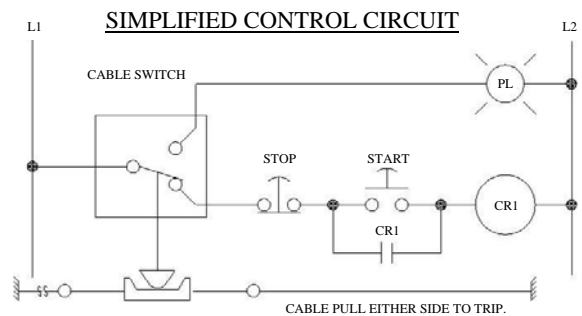
### SET-UP and USE (cont.):

- 5. Move flag arm to the right (clockwise) until it locks (see figure above). Pull right cable tight at spring until the spring is 5.5" (140mm) long (see Fig. 2). Tighten cable clamp.
- 6. Move flag arm fully to the left and then apply tension to the left spring in the same way as the previous step.
- 7. Return the flag arm to middle position (see figure below). Adjust turnbuckle to center the arm. Tighten locknuts on turnbuckle. Springs will be 6" (152mm) long +/-0.25" (+/-6mm) at 70°F (21°C).
- 8. Unit should be fully tested after installation.



### 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.



All wiring/components provided by user.

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