



RELS-300-REM

FOR FIXTURES WEIGHTING FROM 20 TO 250 LBS.

Features and Benefits:

An electronically controlled, motorized lowering system designed to raise and lower chandeliers weighing from 20 pounds to 250 pounds. The system comes with either the motor platform remote from the disconnect unit or with the disconnect unit mounted on the motor platform.

Self-Sustaining Gear Drive Unit

A self-sustaining worm gear drive arrangement prevents free falling of the chandelier while lowering, raising or servicing.

Contact Suspension Unit

Automatically guides chandelier up and down through the maze tracking system. Supports chandelier and always returns to same position. Locking electrical disconnect switch provides power to the chandelier and mechanically locks the fixture in place, relieving all tension on cable, gears and motor.

Electronic Control Module

Microchip technology provides capability to unlock chandelier from contact unit and lower it to pre-determined height with the push of a single button. Programmed sequencing allows operator to view raising and lowering of chandelier without having to continually push or twist a switch.

Principal Components of this System:

1. Electrical Disconnect Unit Assembly

It comes with two electrical contacts plus one ground as standard. (Additional contacts available) and includes fittings for surface mounting to a structure and a flange/stem adapter (3/4" male or 3/8" female available).

2. Motor Platform Assembly

It consists of formed and painted steel platform, motor, cable spool/gear box, one change of direction pulley, electrical connection box, and a formed and painted steel cover.

3. 1/8" galvanized steel aircraft cable assembly

Total cable length required = lowering distance + 5 ft + horizontal run + vertical run

4. An electronic programmable control module

It includes the cover plate and connection box. Electrical hook up wires and conduit to be provided by others.

5. Canopy

Spring loaded for height adjustment during locking and unlocking. Bright brass finish.

Motor: 1/4 HP permanent split capacitor with thermal overload protection. Draws maximum 2.6 amps including control system at 115 VAC 60 HZ. Must be mounted in an accessible location.

Gearing: Self-sustaining worm gear drive.

Mounting: The motor platform fits 16" or 24" centers. The assembly is pre-wired ready to install for standard construction. The disconnect unit can be mounted on platform or mounted on a different structure in non-remote systems.

Load Capacity: Minimum 20 pounds, maximum 250 lbs.

Cable: 1/8" diameter 7x19 galvanized steel. 40 feet provided for 35ft lowering distance. For additional cable, contact factory.

Maximum Lowering Distance: 40 feet. Must have 5 extra feet of cable on the drum.

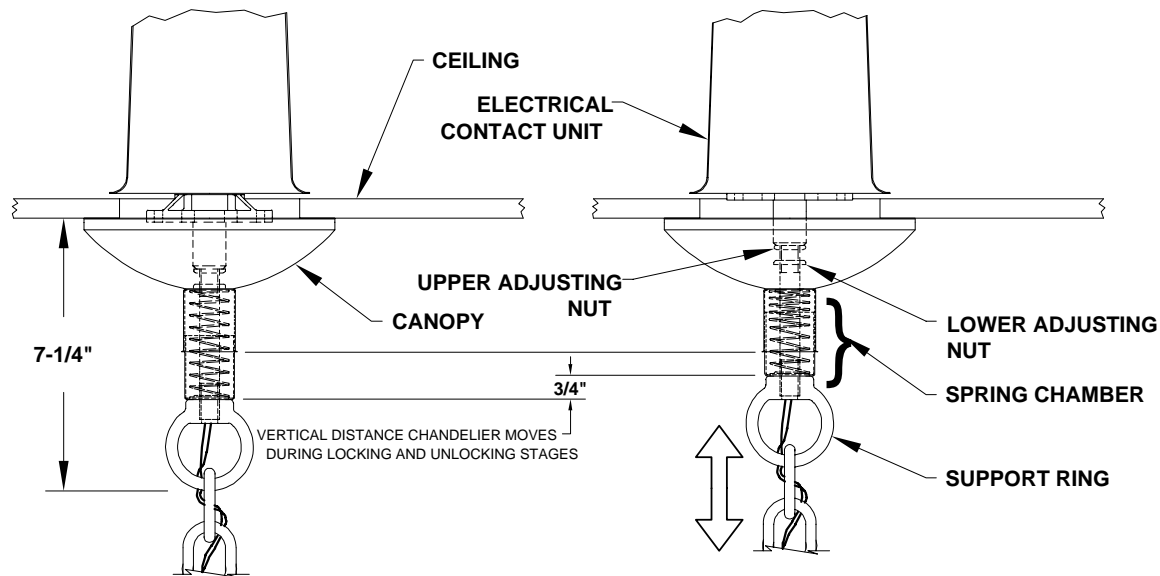
Voltage: 95 - 135 VAC 60 HZ at 1/4 ampere plus motor current. Only 2.6 motor amps. Lighting fixture requirements must be on separate circuit. Consult Elect. Contractor.

Disconnect unit electrical requirements: maximum 15 amps 277 volt or 20 amp 120 volt per circuit. Fixture load maximum is 2400 watts. For larger loads consult factory. Standard unit has two electrical contacts for one circuit. Contact factory for multiple circuit units.

System Speed: 1-1/2 feet per minute average.

Chain-links: Optional

CANOPY



During the lowering or raising of the fixture, when the electrical contacts engage within the ceiling mounted locking device, there is approximately $\frac{3}{4}$ " travel up and down to set the locking mechanism. The height compensating canopy will adjust to this condition to assure that the canopy will remain against the ceiling surface.

CANOPY: One piece 8" diameter and $2\frac{1}{4}$ " deep heavy gauge spinning with standard polished brass finish.

SPRING CHAMBER: Telescoping cups with bright brass finish enclose a $\frac{3}{8}$ " pipe stem that connects the electrical contact unit with the chandelier support ring. A large diameter compression spring within the chamber provides a constant and even pressure to keep the canopy against ceiling.

SUPPORTING RING: A heavy duty solid brass ring is threaded onto the end of the $\frac{3}{8}$ " stem and secured with a lock nut. Electrical wires are fed through a center hole in the ring.