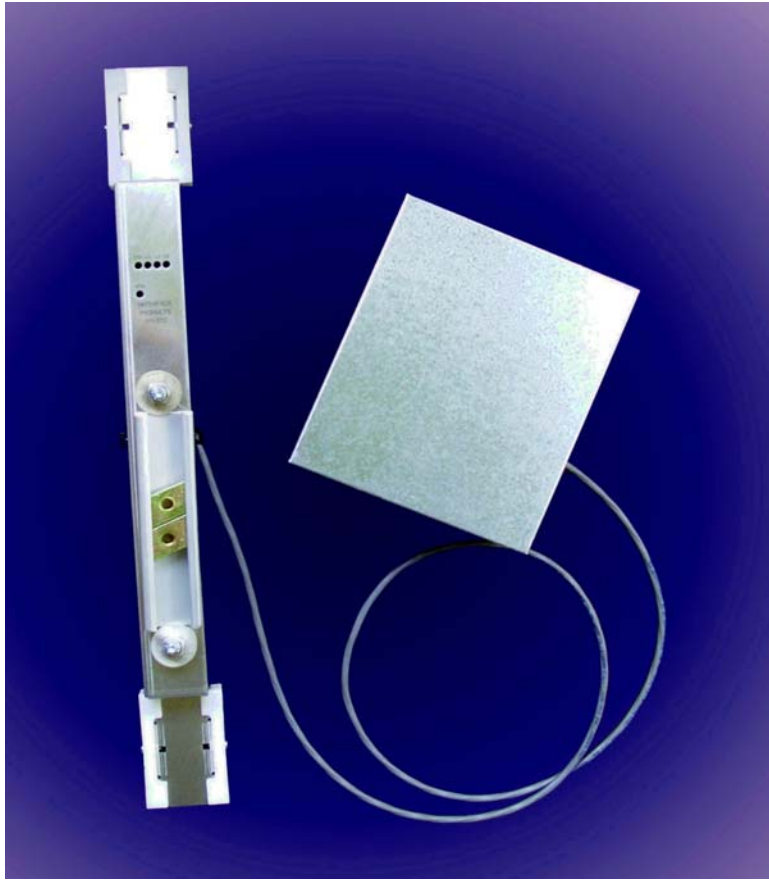


IP - 8300 CAR TOP SELECTOR SYSTEM



The main component of this selector system, the tape reader, is installed on top of the elevator to insure accurate position signals relative to elevator movement. It receives signals from magnetic strips strategically located on a fixed tape attached to the hoistway. The tape reader generates output signals for leveling and slowdown that are used by the controller.

TYPE IP-8300

- ❖ Designed for new construction and modernizations
- ❖ Accuracy to within 1/16"
- ❖ Outputs rated 10A, 250V
- ❖ 2" or 4" Tape Reader
- ❖ 15", 30" or 45" (2" Tape Reader Only) Long Sensor Channel
- ❖ Sensors for Steel or Stainless Steel Tape
- ❖ NEMA 4, NEMA 4X Power Supply Box
- ❖ Broken Tape Switch (Optional)
- ❖ All mounting hardware included



VIRGINIA CONTROLS

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2" TAPE READER

The Tape Reader consists of two elements, the tape head and the power supply box. The tape head reads up to 3 rows of magnets strategically attached to a 2" wide tape and typically generate signals for leveling, door zone and slowdown. The tape head is sensitive to magnet polarity so the number of signals can be increased by using north and south pole magnets. To assist in troubleshooting, LED indicators for all signals are located on the back of the sensor head. All field connections are made in the power supply box. The contacts for output signals are rated for 10A at 250V.

Typical Applications

- ❖ Traction, Hydro, Residential
- ❖ New Construction, Existing Buildings
- ❖ Replace Vanes and Mag Switches/Inductors
- ❖ Replacement for Damaged and Obsolete Equipment

Options

- ❖ 15", 30" or 45" Long Sensor Channel
- ❖ Sensors for Steel or Stainless Steel Tape
- ❖ NEMA 4, NEMA 4X Power Supply Box

4" TAPE READER

The Tape Reader consists of two elements, the tape head and the power supply box. The tape head reads up to 7 rows of magnets strategically attached to a 4" wide tape and typically generate signals for leveling, door zone, slowdown and absolute position. The tape head is sensitive to magnet polarity so the number of signals can be increased by using north and south pole magnets. To assist in troubleshooting, LED indicators for all signals are located on the back of the sensor head. All field connections are made in the power supply box. The contacts for output signals are rated for 10A at 250V.

Typical Applications

- ❖ Traction, Hydro, Residential
- ❖ New Construction, Existing Buildings
- ❖ Replace Vanes and Mag Switches/Inductors
- ❖ Replacement for Damaged and Obsolete Equipment

Options

- ❖ 15" or 30" Long Sensor Channel
- ❖ Sensors for Steel or Stainless Steel Tape
- ❖ NEMA 4, NEMA 4X Power Supply Box

MOUNTING KIT

This kit includes all the brackets, tape clamps, rail clips and hardware needed to install the IP-8300 Tape Reader to the car crosshead and tape to the rails.

Options

- ❖ Kit for 2" & 4" Tape
- ❖ Standard duty, Heavy Duty bracket
- ❖ Broken Tape Switch

STEEL TAPE

The steel tape is fastened to brackets at the top and bottom of the hoistway. Magnets are then strategically attached to provide the required signals.

Options

- ❖ 2" Steel Tape
- ❖ 2" Stainless Steel Tape
- ❖ 2" Perforated Stainless Steel Tape
- ❖ 4" Steel Tape
- ❖ 4" Stainless Steel Tape

MAGNET

The magnets are strategically attached to the steel tape to provide the required signals for the tape reader. The magnets have an adhesive backing for secure attachment to the steel tape.

Options

- ❖ North Pole
- ❖ South Pole
- ❖ 50-Foot Spools
- ❖ Custom Magnets



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