



**SENSING – SWITCHING
SIGNALING - CONTROL**

Sensing and Safety Edges

For protection of personnel and equipment
Off-the-shelf – Custom designs – Short lead-times

A Wide Range of Standard Products – feature-rich, with many options

- Suitable for automated machinery, doors and gates, medical tables, AGVs, lifts
- Many profiles, sensitivities, and compression ranges
- Activation with or without compression, with or without overtravel
- Ribbon Switch switching element rated for 3 million operations
- UL and cUL recognized, CE approved, and meets IP67 Protection Classification
- Fail-safe 4-lead wiring, compatible with Tapeswitch Interface Controllers

Tapeswitch Sensing Edges can be used to protect personnel from injury, to protect equipment from damage, or simply to signal contact between two objects.

Typical applications include scissor lifts, machinery edges, medical tables, automatic door and gate edges, AGV bumpers, moving partitions, and stage lifts.

Each sensing edge consists of a continuous length of sealed Tapeswitch Ribbon Switch encased in a tough, extruded housing of EPDM, TPE or PVC. It is both water and chemical resistant, ensuring long life under severe environmental conditions. The Ribbon Switch is UL and cUL recognized, CE approved, and meets the IP67 Protection Classification. It is rated for 3 million operations at any point.

Mounting options include double-faced tape, adhesives, aluminum channel, and PVC channel, depending on model.

Custom Designs with Short Lead-Times – fast service, fast delivery

- Special materials to meet exceptional environmental conditions
- Colors to blend into a particular color scheme
- Custom cross-sections to obtain specific operating characteristics
- Special sensitivities and angle-of-activation profiles
- Curved, serpentine or circular shapes for exact matches to irregular surfaces
- Unlimited length in some configurations

While most companies offer little to no customization of sensing and safety edge products, Tapeswitch offers many design options and a track record of innovative products for unique applications. Changes may be as simple as a color change or material variation, or as complex as a custom profile with unique operating characteristics.

Tapeswitch is committed to serving you with products that meet your specific needs. Contact us today to discuss your requirements.

