

# SAFETY ZONE SENSING MATS

## Molded construction, parallel plate design

**Safety Zone Sensing Mats** are designed to protect against accidents and injury around machinery in an industrial or factory environment. They feature molded, seamless construction and, consequently, exhibit exceptional resistance to moisture intrusion as well as most acids, alkalis and salts.

Logos in any color or combination of colors can be molded directly into the mat surface. Mats can also be made with multiple sensing zones, and sensitivity can be adjusted to suit specific applications.



### Features & Benefits

- Molded construction for exceptional moisture and chemical resistance
- Parallel-plate switching technology eliminates dead zones
- Can be installed on or in the floor and with or without edging
- 1/2" thick construction provides long life and wear resistance
- Choice of ribbed or eurodot surface to maximize traction

**Safety Zone Sensing Mats** are constructed with two highly-rigid metal plates separated by spacer buttons and O-ring seals. This switching mechanism is then covered with a molded virgin vinyl housing which seals out water and other contaminants. The result is a durable and long-lasting pressure-sensitive mat suitable for harsh factory or commercial conditions.

These mats are 1/2" thick with a choice of a ribbed surface for dry, oily, or wet conditions, or a eurodot surface for wash down applications. They are supplied with 4-lead, fail-safe wiring and are compatible with Tapeswitch Interface Controllers.

**Safety Zone Sensing Mats** are available that are form, fit, and function replacements for most brands of pressure-sensitive safety mats. These mats feature the same durability, long life and exceptional moisture resistance as the standard models. For more information on these products, contact Tapeswitch.

**Special Options:** The following design elements of Safety Zone mats can be customized to suit your application.

- |                      |                  |                   |
|----------------------|------------------|-------------------|
| ■ Shape              | ■ Edge design    | ■ Colors          |
| ■ Wire or cable type | ■ Wire locations | ■ Molded-in logos |
| ■ Number of zones    | ■ Connectors     |                   |

### Specifications

Actuation Force.....	33 lbs (147 N) nominal with 2 inch diameter (50 mm) disc
Recommended Voltage & Current .....	12 to 48 Vac or Vdc at 50 mA min. to 1.0 amp max.
Environment.....	NEMA 6 & IP67 rated, -31 to 122 °F (-35 to 50 °C)
Safety Standards .....	ANSI/RIA R15.06-1999, TUV EN1760-1:1997
Maximum Size .....	Up to 40" x 60" single-piece construction