

## Controlmat Safety Mats - Heavy-duty and abrasion-resistant

Tapeswitch **Controlmat Industrial Duty Safety Mats** are designed for personnel sensing around dangerous machinery and in hazardous locations. These pressure sensitive switch mats feature press-at-any-point actuation. Many standard sizes are in stock, but custom sizes and shapes are easily manufactured to order with short lead times. Tapeswitch Safety Mats can also be made with cut-outs and multiple sensing zones to exactly fit specific application needs.

### Features & Benefits



- **Industrial duty, pressure sensitive safety mat for personnel sensing applications**
- **Moisture, chemical and abrasion resistant for long life in factory settings**
- **Easy installation - no special floor preparation or add-on metal edging required**
- **Switching elements rated for several million cycles ensures long life**
- **[4-lead fail-safe](#) wiring is standard**



### Quick-Disconnect Option

The Controlmat Safety Mat is available with a quick-disconnect option, which protects the mat if the leads are tugged on or otherwise overstressed. It also allows for the repair of damaged leads without replacing the entire mat. If the mat itself has to be replaced, the wiring can be left intact while allowing for the simple installation of a replacement unit.

Field tested for more than twenty-five years, the surface of the Controlmat Safety Mat is both moisture and abrasion resistant. Ribbing on the top and bottom surfaces prevents water or oil buildup. The fully-protected switching elements are extremely rugged and reliable, with an operating life of several million cycles.

Controlmat safety mats are available with square or ramped edges. They are easy to install and require no special floor preparation or add-on metal edges, although these are available. For mat edging options, [click here](#). All safety mats are supplied with [4-lead fail-safe](#) wiring, and are compatible with Tapeswitch [Safety Controllers](#).

### Applications - Detect presence of personnel for :

- Machine operation control
- Automated assembly line guarding
- Robot area guarding
- Automatic door operation
- Process cycle control
- General hazardous area guarding

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## Specifications for Controlmat Safety Mats

Actuation Force	22 lbs (100 N) nominal with 2 inch (50 mm) diameter disc
Recommended Voltage & Current	24 Vac or Vdc at 1.0 amps max
Environment	IP65 rated, 0 to 122 °F (-18 to 50 °C)
Colors	Black (standard), yellow or blue (optional)
Maximum Size	Up to 48" x 192" single-piece construction
Internal Wiring	<a href="#">Click here for details</a>

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## Standard Sizes for Controlmat Safety Mats

24" x 24" (610 mm x 610 mm)	36" x 36" (910 mm x 910 mm)
24" x 36" (610 mm x 910 mm)	36" x 48" (910 mm x 1220 mm)
24" x 48" (610 mm x 1220 mm)	36" x 60" (910 mm x 1520 mm)
24" x 60" (610 mm x 1520 mm)	36" x 72" (910 mm x 1830 mm)
24" x 72" (610 mm x 1830 mm)	48" x 72" (1220 mm x 1830 mm)
30" x 48" (762 mm x 1220 mm)	Custom sizes are also available