Flotronics Automation is an Authorized Distributor for Recora Industrial Safety Mats such as the 14HD Series

Safety switch mats help provide protection to employees and equipment and often are more suitable than photoelectric presence sensors for dirty, dusty environments or places where there is a lot of spray from water or chemicals.

FEATURES / ADDITIONAL INFORMATION

Construction – Recora Industrial Safety Mat is manufactured using a proven plate contact technology. The twin steel plates form an electrode inside the mat. The plates are held apart by strategically place silicone spacers that are important to the sensitivity of the mat. When the mat is activated, the top and bottom plate come in contact closing, sending a signal to the monitoring device. The outer skin of the mat is a totally molded plastisol (vinyl) material.
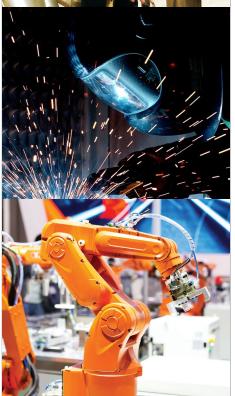
RECORA will manufacture Switchmat units in any size or shape to meet your special requirements. Send size and control specifications.
All Safety Mats and systems comply with ANSI/RIA standards for Robot Guarding.

High impact resistance
Safety Mats are totally molded, not laminated, to help prevent fluid entry
Extruded aluminum 2.000" ramp and 0.750" blunt edging and conduit connector included for securing the larger 14HD and – EHD series Safety Mats.
Recora Heavy Duty Safety Mats

The standard in the safety mat industry Recora Series 14HD Industrial Safety Mats provide effective safety barriers to both workers and vehicles entering hazardous or restricted machine and production areas. They can be wired to stop robots, machinery, doors, alarms... most any type of mechanical or moving equipment imaginable. Recora Safety Mats are used in almost any environment, wherever safety and security are paramount. The Extra Heavy Duty series is used in applications that require the mats to withstand heavier equipment used in everyday operations.

When safety and security areas don't conform to standard Safety Mats sizes, Series 14HD Safety Mats are ideal for customizing. By adding Recora's Snap-On Aluminum Connectors and Edging, Series 14HD can be configured to fit any size area needed.
These Safety Mat Systems can be customized for sensitivity, activation, layout design and sized to cover any area to help provide worker protection from restricted or hazardous machine areas...even around cutouts for machine legs, posts, walls, etc. Recora's FSC-6R Relay added to Series 14HD Safety Mat Systems will provide level 3 protection.

Recora Industrial Safety Mats are available in either a single or dual lead configuration, designated as HD for dual lead. The type of series used should only be determined after a risk assessment is performed. The level of safety protection required for a given application is based on the risk associated with that application. The risk associated with an operation is based on a number of factors that must be taken together and evaluated in total to establish the risk level for any equipment or operation. It is important to note that using a Safety Mat alone will not make the installation a safety system. A Safety Mat monitoring controller must be used to complete the safety system. When a 14HD and – EHD (4-wire) series Safety Mat is used together with the FSC-6R Relay, the safety system reaches a safety category 3 level. Safety controls must have positive operation indicators; force guided relays, redundant critical control components in order to meet the ANSI B11.19 guidelines.

ORDERING / SPECIFICATIONS					
ITEM #	**DESCRIPTION**	**SIZE**	**ACTIVATION PRESSURE**	**WEIGHT**	**COLORS AVAILABLE**
EHD-1017	14EHD Series 4-Wire Safety Mat	10 x 17 in	10 to 15 lbs	12 lbs	Black, Brown, Yellow
EHD-1423	14EHD Series 4-Wire Safety Mat	14 x 23 in	10 to 15 lbs	13 lbs	Black, Brown, Yellow
EHD-1830	14EHD Series 4-Wire Safety Mat	18 x 30 in	10 to 15 lbs	24 lbs	Black, Brown, Yellow
EHD-3030	14EHD Series 4-Wire Safety Mat	30 x 30 in	10 to 15 lbs	50 lbs	Black, Brown, Yellow
EHD-824	14EHD Series 4-Wire Safety Mat	8 x 24 in	10 to 15 lbs	7 lbs	Black, Brown, Yellow
EHD-827	14EHD Series 4-Wire Safety Mat	8 x 27 in	10 to 15 lbs	8 lbs	Black, Brown, Yellow
EHD-1212	14EHD Series 4-Wire Safety Mat	12 x 12 in	10 to 15 lbs	9 lbs	Black, Brown, Yellow
EHD-1236	14EHD Series 4-Wire Safety Mat	12 x 36 in	10 to 15 lbs	13 lbs	Black, Brown, Yellow
EHD-1616	14EHD Series 4-Wire Safety Mat	16 x 16 in	10 to 15 lbs	12 lbs	Black, Brown, Yellow
EHD-1836	14EHD Series 4-Wire Safety Mat	18 x 36 in	10 to 15 lbs	19 lbs	Black, Brown, Yellow
EHD-1212-11	14EHD Series 4-Wire Safety Mat	12 x 12 in	10 to 15 lbs	11 lbs	Black, Brown, Yellow
EHD-2424	14EHD Series 4-Wire Safety Mat	24 x 24 in	10 to 15 lbs	34 lbs	Black, Brown, Yellow
EHD-2430	14EHD Series 4-Wire Safety Mat	24 x 30 in	10 to 15 lbs	42 lbs	Black, Brown, Yellow
EHD-2435	14EHD Series 4-Wire Safety Mat	24 x 35 in	10 to 15 lbs	48 lbs	Black, Brown, Yellow
EHD-2443	14EHD Series 4-Wire Safety Mat	24 x 43 in	10 to 15 lbs	57 lbs	Black, Brown, Yellow
EHD-2448	14EHD Series 4-Wire Safety Mat	24 x 48 in	10 to 15 lbs	64 lbs	Black, Brown, Yellow
EHD-2457	14EHD Series 4-Wire Safety Mat	24 x 57 in	10 to 15 lbs	76 lbs	Black, Brown, Yellow
EHD-2460	14EHD Series 4-Wire Safety Mat	24 x 60 in	10 to 15 lbs	80 lbs	Black, Brown, Yellow
EHD-2472	14EHD Series 4-Wire Safety Mat	24 x 72 in	10 to 15 lbs	96 lbs	Black, Brown, Yellow
EHD-2727	14EHD Series 4-Wire Safety Mat	27.5 x 27.5 in	10 to 15 lbs	43 lbs	Black, Brown, Yellow
EHD-2735	14EHD Series 4-Wire Safety Mat	27.5 x 35 in	10 to 15 lbs	54 lbs	Black, Brown, Yellow
EHD-2743	14EHD Series 4-Wire Safety Mat	27.5 x 43 in	10 to 15 lbs	66 lbs	Black, Brown, Yellow
EHD-2448	14EHD Series 4-Wire Safety Mat	24 x 48 in	10 to 15 lbs	64 lbs	Black, Brown, Yellow
EHD-2457	14EHD Series 4-Wire Safety Mat	24 x 57 in	10 to 15 lbs	76 lbs	Black, Brown, Yellow
EHD-2460	14EHD Series 4-Wire Safety Mat	24 x 60 in	10 to 15 lbs	80 lbs	Black, Brown, Yellow
EHD-2472	14EHD Series 4-Wire Safety Mat	24 x 72 in	10 to 15 lbs	96 lbs	Black, Brown, Yellow
EHD-2727	14EHD Series 4-Wire Safety Mat	27.5 x 27.5 in	10 to 15 lbs	43 lbs	Black, Brown, Yellow
EHD-2735	14EHD Series 4-Wire Safety Mat	27.5 x 35 in	10 to 15 lbs	54 lbs	Black, Brown, Yellow
EHD-2743	14EHD Series 4-Wire Safety Mat	27.5 x 43 in	10 to 15 lbs	66 lbs	Black, Brown, Yellow
EHD-2757	14EHD Series 4-Wire Safety Mat	27.5 x 57 in	10 to 15 lbs	87 lbs	Black, Brown, Yellow
EHD-2772	14EHD Series 4-Wire Safety Mat	27.5 x 72 in	10 to 15 lbs	109 lbs	Black, Brown, Yellow
EHD-3030-50	14EHD Series 4-Wire Safety Mat	30 x 30 in	10 to 15 lbs	50 lbs	Black, Brown, Yellow
EHD-3035	14EHD Series 4-Wire Safety Mat	30 x 35 in	10 to 15 lbs	59 lbs	Black, Brown, Yellow
EHD-3043	14EHD Series 4-Wire Safety Mat	30 x 43 in	10 to 15 lbs	72 lbs	Black, Brown, Yellow
EHD-3048	14EHD Series 4-Wire Safety Mat	30 x 48 in	10 to 15 lbs	80 lbs	Black, Brown, Yellow
EHD-3060	14EHD Series 4-Wire Safety Mat	30 x 60 in	10 to 15 lbs	100 lbs	Black, Brown, Yellow
EHD-3535	14EHD Series 4-Wire Safety Mat	35.5 x 35 in	10 to 15 lbs	69 lbs	Black, Brown, Yellow
EHD-3543	14EHD Series 4-Wire Safety Mat	35.5 x 43 in	10 to 15 lbs	84 lbs	Black, Brown, Yellow
EHD-3548	14EHD Series 4-Wire Safety Mat	35.5 x 48 in	10 to 15 lbs	95 lbs	Black, Brown, Yellow
EHD-3560	14EHD Series 4-Wire Safety Mat	35.5 x 60 in	10 to 15 lbs	118 lbs	Black, Brown, Yellow

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