



*Electronic Article  
Surveillance Systems*

## IND-X 1000™ FOR ULTRA • MAX

SBSM-IN

Industrial Activator/Deactivator



The IND-X 1000 is an automatic activator/deactivator unit designed for manufacturing facilities and distribution centers. The unit is capable of activating/deactivating hidden (source tagged) Ultra • Max® labels in cartons or on items that are moving along a conveyor system (on or off-line). The maximum continuous feed rate is one item per second in the “activation mode,” and one item per three seconds in the “deactivation mode.” The unit consists of two pods (antennas) and a power pack. The adjustable-height pods can be adapted to fit conveyors up to 36 in. (91.4 cm) wide in any assembly line configuration. Stand-alone, off-line installations require a stand-alone conveyor section that should be at least 6 ft. (1.83 m) long. There should be at least 1 ft. (0.3 m) of clearance at the entry and exit sides of the pods. When an item passes through a light beam emitted by a photo sensor, the pods generate an electromagnetic pulse that either “activates” or “deactivates” the labels. With new Ultra • Strip II and III labels, pods can accommodate items up to 22 in. (56 cm) wide\*. The minimum carton height requirement is 4.75 in. (12 cm), but cartons can be taller or longer providing the labels are located within the “activation” or “deactivation” areas as shown in Figures 1 & 2. The IND-X 1000 also features an enable/disable slide switch on an external control panel that allows an operator to manually override the unit, allowing you to activate/deactivate or avoid a specific item. The control panel may be mounted up to 20-feet (6m) from the unit. The power pack sits below the conveyor and requires a primary electrical feed of 200-240 VAC.

### FEATURES

- *Automatic activator/deactivator unit*
- *Complements source tagging products*
- *Adjustable height fits many types of conveyor systems*
- *Accommodates up to 22-inch (56cm) items with new Ultra • Strip II and III labels*
- *“Activates” up to one item per second (60 items per minute)*
- *“Deactivates” up to one item per three seconds (20 items per minute)*
- *Remote control panel*
- *Enable/disable switch for manual override*
- *External control input allows automatic item avoidance*

# Adjustable height fits many types of conveyor systems

## SPECIFICATIONS

**IMPORTANT!** If the maximum feed rate exceeded while the system is deactivating, the system will go into a thermal default condition and inhibit, and the alarm will sound. Once the pods cool down, you can reset the system for routine operation using the reset switch on the power pack or the external control panel.

LEDS on the pack enclosure indicate that the power is on when the unit is energized and when a fault occurs. When the fault LED lights, an audio beep also occurs. A fault happens should the pods overheat or if the cable of the "field enable" photo sensor disconnects. Operation is resumed by pressing a "reset" rocker switch on the pack enclosure.

An external control input on the power pack allows for a closed contact signal which allows the system to avoid a specific item providing the signal occurs just before it enters the system's operational area.

The mode for activation or deactivation is configured at the time of installation.

### Electrical Requirements

Line voltage: ..... 200–240Vac  
 Line frequency: ..... 50/60Hz  
 Max. line current: ..... 5.4Amps

Note: The system is hardwired; therefore, a 10A motor start circuit breaker dedicated to, and located near, the power pack is recommended. Transformers are not recommended (step up or step down) because of high in-rush current 23A @ 240Vrms).

### Environmental Requirements

Operation: ..... 0-40°C (0-104°F)  
 Humidity: ..... 0-90% non-condensing

### Label Orientation

Label must be perpendicular to the pods to be activated or deactivated.

### Regulatory Standards Met

Safety	EMC
UL1950	FCC Part 15
cUL CSA 22.2 No. 950	Industry Canada Class A
EN 60950 (CE)	EN 50081-1 Class B
TUV GS (EN60950)	EN 50082-1

### Dimensions and Weight

#### Activation Pod:

Dimensions: ..... 123cm long, 43.1cm high, 8.6cm thick  
 (48in. x 17in. x 3-3/4 in.)

Weight: ..... 49kg (109 lb) each

#### Power Pack:

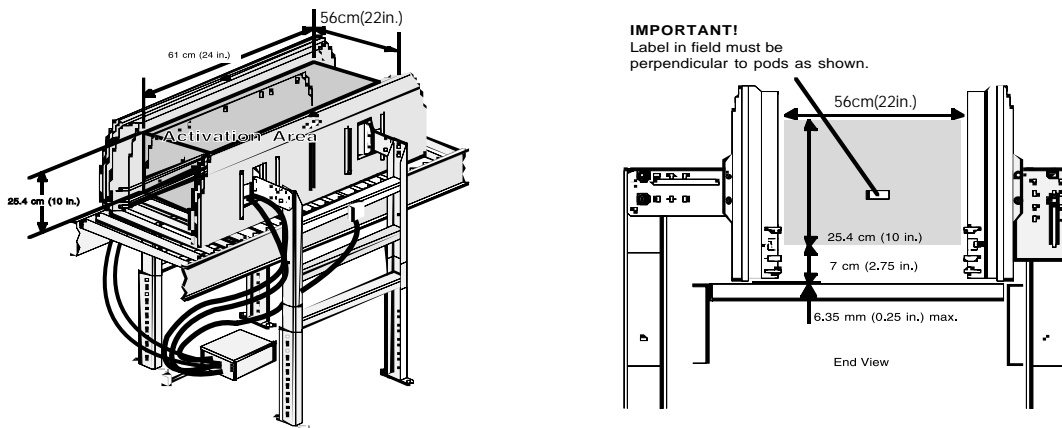
Dimensions: ..... 41cm x 51cm x 23cm (16in. x 20in. x 9in.)

Weight: ..... 19kg (41 lbs)

For more information, contact Sensormatic toll-free at 1-800-368-7262.

**LABEL ORIENTATION IS CRITICAL!** The unit changes the state of labels only when they are within this area and **PERPENDICULAR** to the pods. ( $\pm 15^\circ$  acceptable)

Figure 1 (activation/deactivation area)\*



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