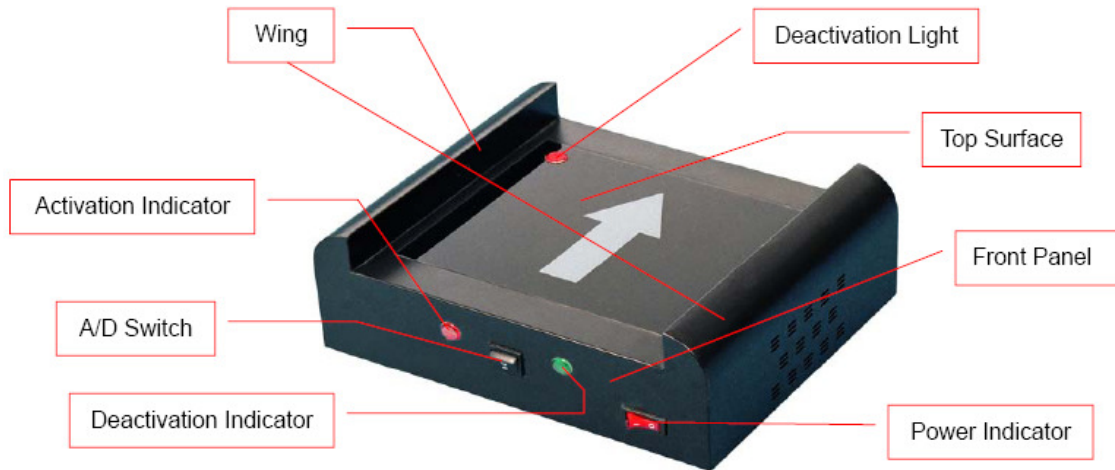


EM Activator/Deactivator Unit with IR Detector – preliminary manual



1 – Functions of the unit

- (1) Activating and deactivating deactivatable Electro-Magnetic labels
- (2) Activating and deactivating deactivatable Acousto-Magnetic labels (DR & LE)

2 – Activation (EM)

- (1) Connecting the unit to the power supply (220VAC/50Hz). The power supply should be clean enough with good grounding.
- (2) Switching on the power and the Power Indicator (red) will light.
- (3) Put the Activation/Deactivation (A/D) switch on Activation position. The Activation Indicator (red) in front panel will light.
- (4) Putting the label or article with label inside onto the centre of the top surface of the unit or slide the labels or article with label inside through Deactivation Light Top SurfaceWing Power IndicatorActivation Indicator A/D Switch Deactivation Indicator Front Panel

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the top surface of the unit in the direction of arrow, the label will be activated. It is allowed to put more labels in the centre of the top surface of the unit for bulk activation. In this case, quantity of labels should be controlled reasonably.

(5) When A/D switch is shifted from mode of Deactivation to mode of Activation, wait for about two seconds for normal function.

(6) The height of effective activation in the centre on top of the surface of the unit is about 2cm ~ 3cm. The time for activation is within 5 seconds.

(7) Deactivating label properly before activation will be preferred.

3 – Deactivation (EM)

(1) Connecting the unit to the power supply (220VAC/50Hz). The power supply should be clean enough with good grounding.

(2) Switching on the power and the Power Indicator (red) will light.

(3) Put the A/D switch on Deactivation position. The Deactivation Indicator (green) in front panel will light.

(4) Slide the labels or article with label inside through the top surface of the unit in the direction of arrow. The label will be deactivated. The red Deactivation Light on top of the surface of the unit will light when deactivation works.

(5) The deactivation works only when the article slides through the surface and shields the IR beam between IR transmitter and receiver in two

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wings of the unit.

(6) The deactivation works in pulse for about 5 seconds after the IR beam is shielded by article.

(7) When A/D switch is shifted from mode of Activation to mode of Deactivation, wait for about two seconds for normal functioning.

(8) The height of effective deactivation in the centre on top of the surface of the unit is about 5 ~8cm depending on different labels. The time for effective deactivation is within 1 second.

4 – Activation and Deactivation (AM)

For activation and deactivation of Acousto-Magnetic labels (DR & LE), using mode of Activation (EM) for deactivating AM labels and using mode of Deactivation (EM) for activating AM labels.

5 - Mounting of the unit

(1) Putting the unit on top of the table.

This is the normal situation when the customer does not intend to cut the table surface or is not sure for the position of the unit (removable).



(2) Embedding the unit into the table.



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This is for better decoration of the table surface and/or for easier movement of the articles.

For this purpose, a bracket has to be deployed for supporting the unit.

The top surface of the unit should be at the same plane with the table surface and the two wings of the unit has to be shown up the table surface to guarantee the IR function for deactivation.

6 – When the unit works continually for certain period, it will be heated. This is normal. But we strongly recommend to shut off the power supply when office is closed for avoid any possible danger arising.