



# **58kHz LynX<sup>TM</sup>**

## **Control box**

# **Instructions Manual**

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**(09150801)**

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### **CRITICAL NOTE**

**As specified by FCC Regulations 15.21, any changes or modifications not expressly approved by the party responsible for compliance of this equipment, will void the user's permission and authority to operate this equipment.**

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# OVERVIEW

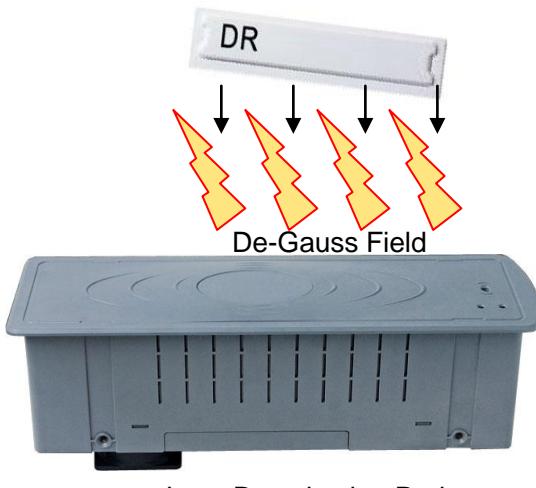
## System Description

Lynx is an advanced EAS label deactivate with highly integrated control box, providing excellent deactivation reliability and high throughput. The Lynx can work with a series of deactivation antenna pad. When working with different antennas pad, the deactivate can adapt to different counter applications requiring different desktop space and performance, offering great flexibility.



Lynx Control Box

Double Resonant Labels for Deactivation



Lynx Deactivation Pad

## Features

- Proximity Deactivation  
The Lynx offers proximity deactivation, making it perfect for both source tagged and retailer tagged merchandise.
- Compact Size  
The compact size of of Lynx antenna pad and the control box allows Lynx to easily be integrated into a counter application.
- Integrated Audible and Visual Notification.  
Label deactivation notification is built into the Lynx.
- External Control Accessible  
Lynx includes external control access via RS-232 series port that connects to POS machine, footswitch and external tuning hardware.

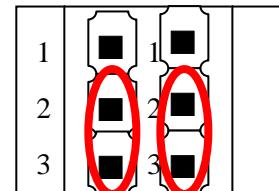
## System Connections & Jumper Setups



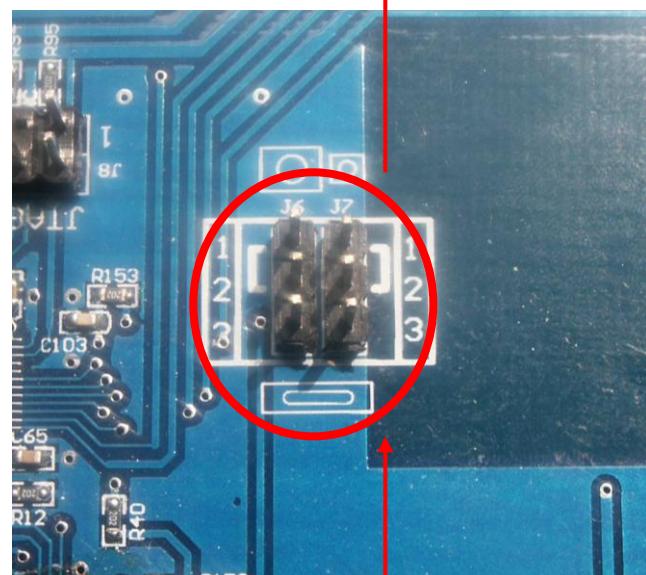
The default jumper settings for connection of antenna pad is Lynx antenna pad. If any other antenna pad is involved, please refer to the antenna accessories manual for setups.



Lynx antenna pad



Antenna jumper



## Specifications

### Electrical

Primary Input..... 100Vac~240Vac, 50Hz /60Hz

Rated Current..... 3 A

### Mechanical

#### Lynx Control Box

Height ..... 102mm (4")  
Width..... 310mm (12.5")  
Depth ..... 223mm (8.8")  
Weight..... 2.4kg (5.3 lbs)

#### Lynx Antenna Pad

Length ..... 350mm (13.8")  
Width..... 113mm (4.5")  
Height..... 107mm (4.2") (with fan)  
Weight..... 4.5kg (10 lbs)

### Environmental

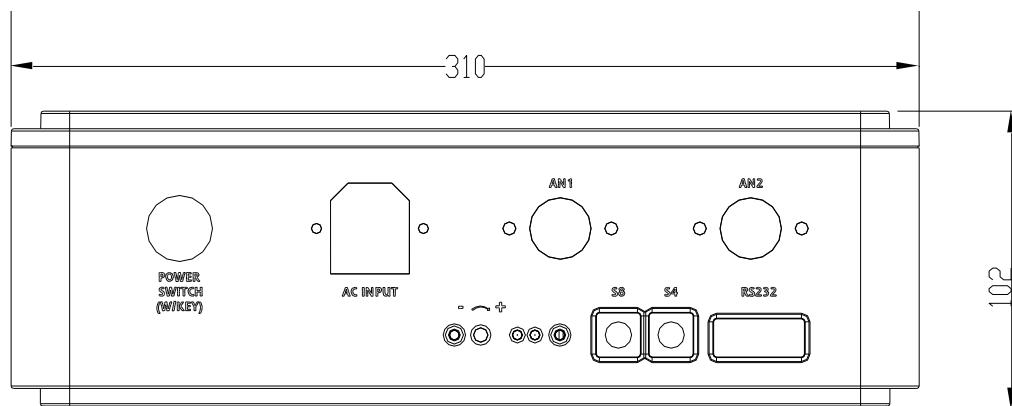
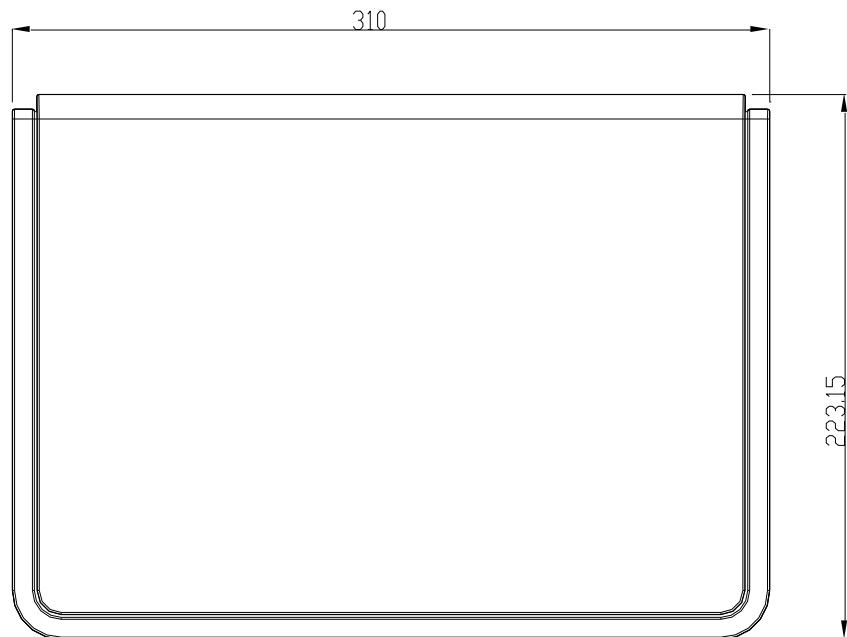
Operating Temperature .. 0 to TBD°C (32°–TBD°F)

Relative Humidity: ..... 0 to 85% non-condensing

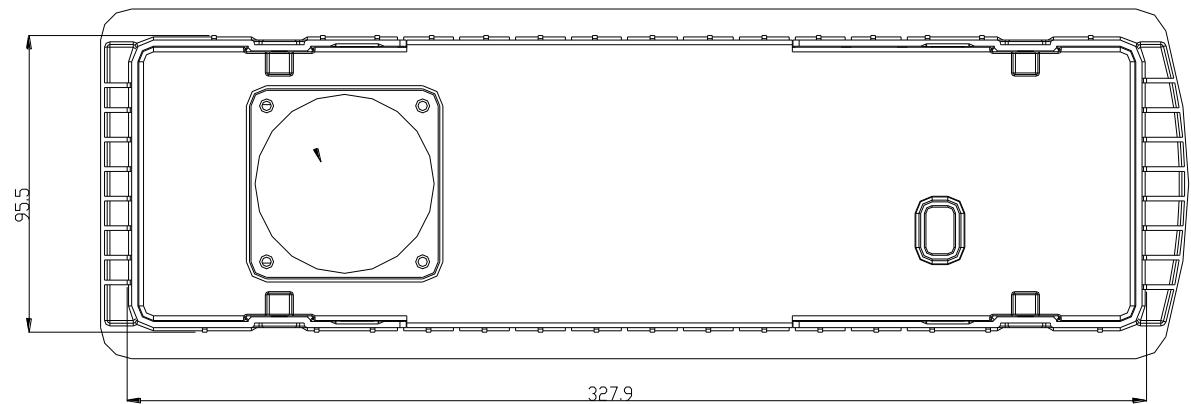
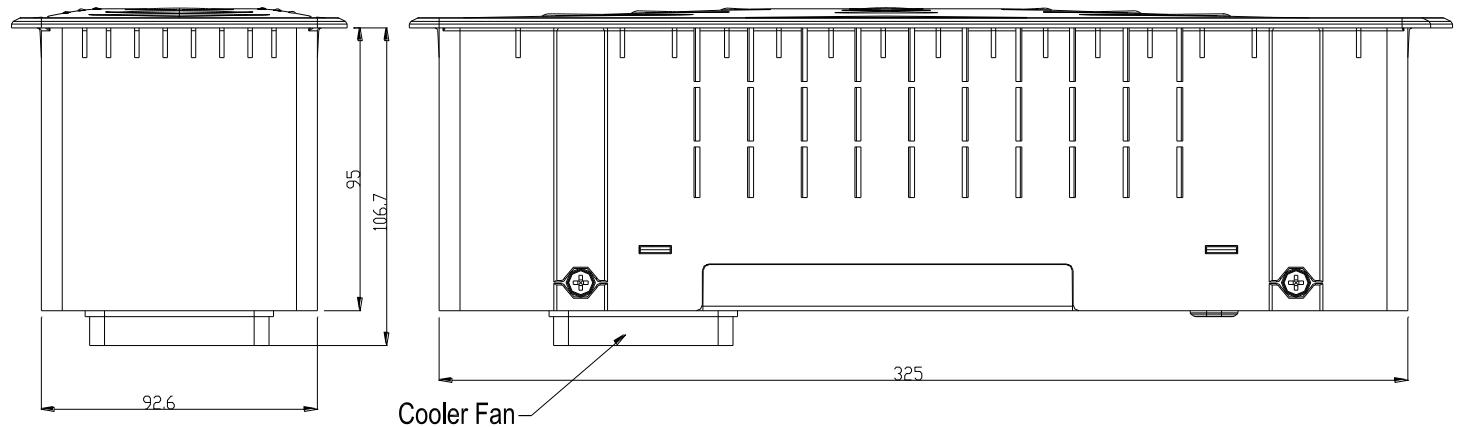
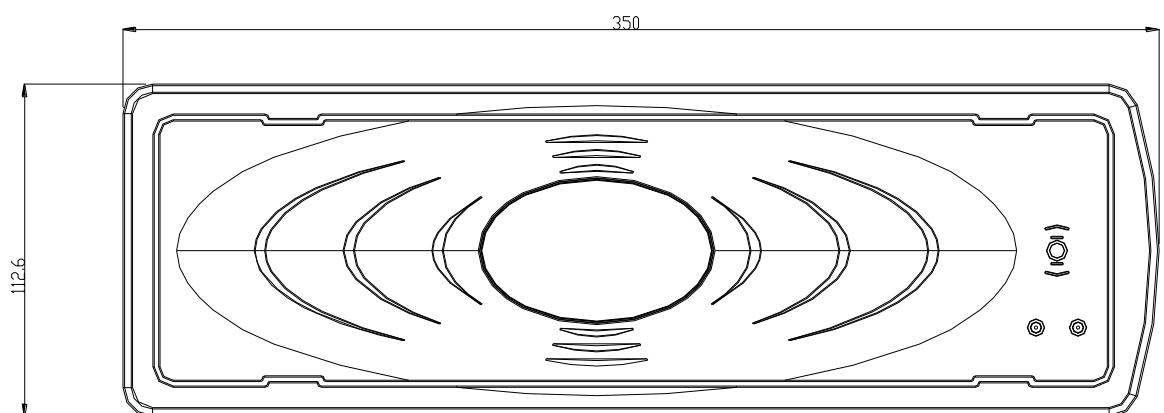
# BEFORE-INSTALLATION GUIDE

## CAD Dimensions

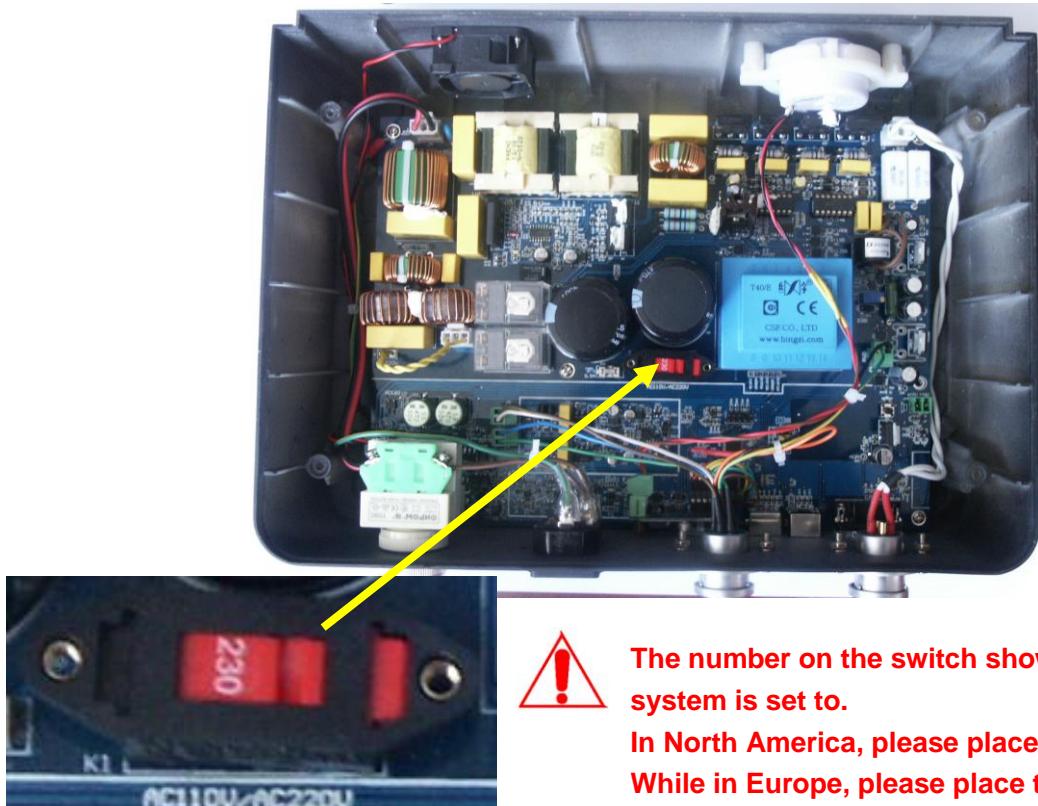
Lynx Control Box (All dimensions are in millimeters)



Lynx Antenna (All dimensions are in millimeters)



## Control Box Input Power Voltage Check



## Installation Site Power Supply Check

**IT'S RECOMMENDED TO HAVE ALL CONTROL BOX ON THE SAME POWER PHASE**, otherwise you need to adjust B sync value step by step to find a best position to sync different control box connected to power source with difference phase.

**IT'S RECOMMENDED TO HAVE ENOUGH CURRENT SUPPLY FOR DEACTIVATORS IF THERE ARE MULTIPLE DEACTIVATORS SHARE ONE POWER SUPPLY.** The rated current for Lynx is 3A but the suggested current draw for one FastPad is 7-8A for better performance, so a 15 amp power box will better serve 2 deactivators instead of 3 or more.

**IT'S RECOMMENDED TO HAVE GOOD GROUNDING FOR POWER SUPPLY OF DEACTIVATORS.** (Some time the poor grounding and high noise from power supply will decrease the sensitivity or detection range.)

## INSTALLATION

### Parts List



Control box (1)



Foot Switch  
(Optional)



Lock Key (2)



External Alarm  
and Lock  
(Optional)

Part Name

Lynx Control Box

Lynx Antenna

Foot Switch

External Alarm and Lock

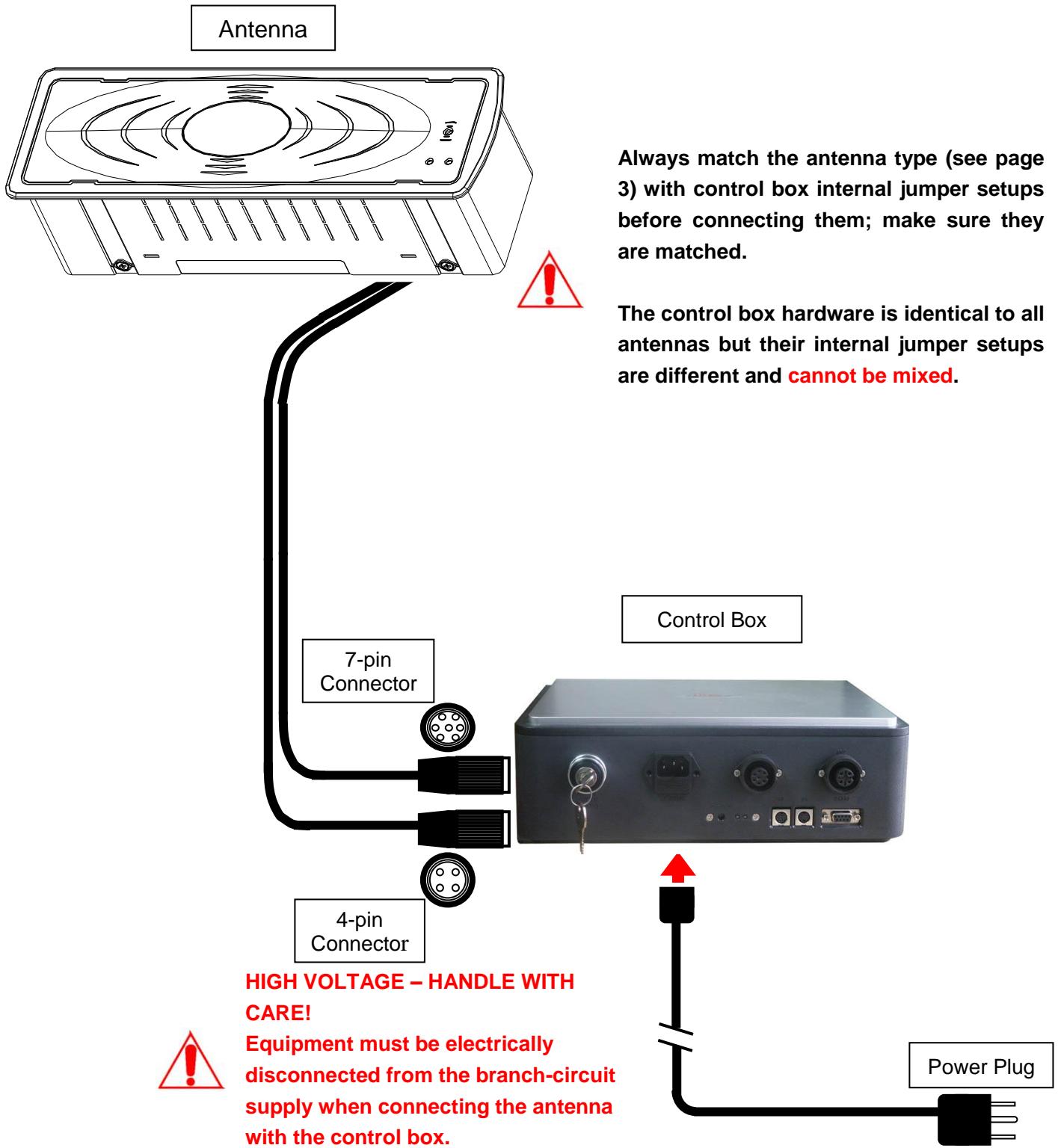
Order Number

WG LynX-CB

WG LynX-AT

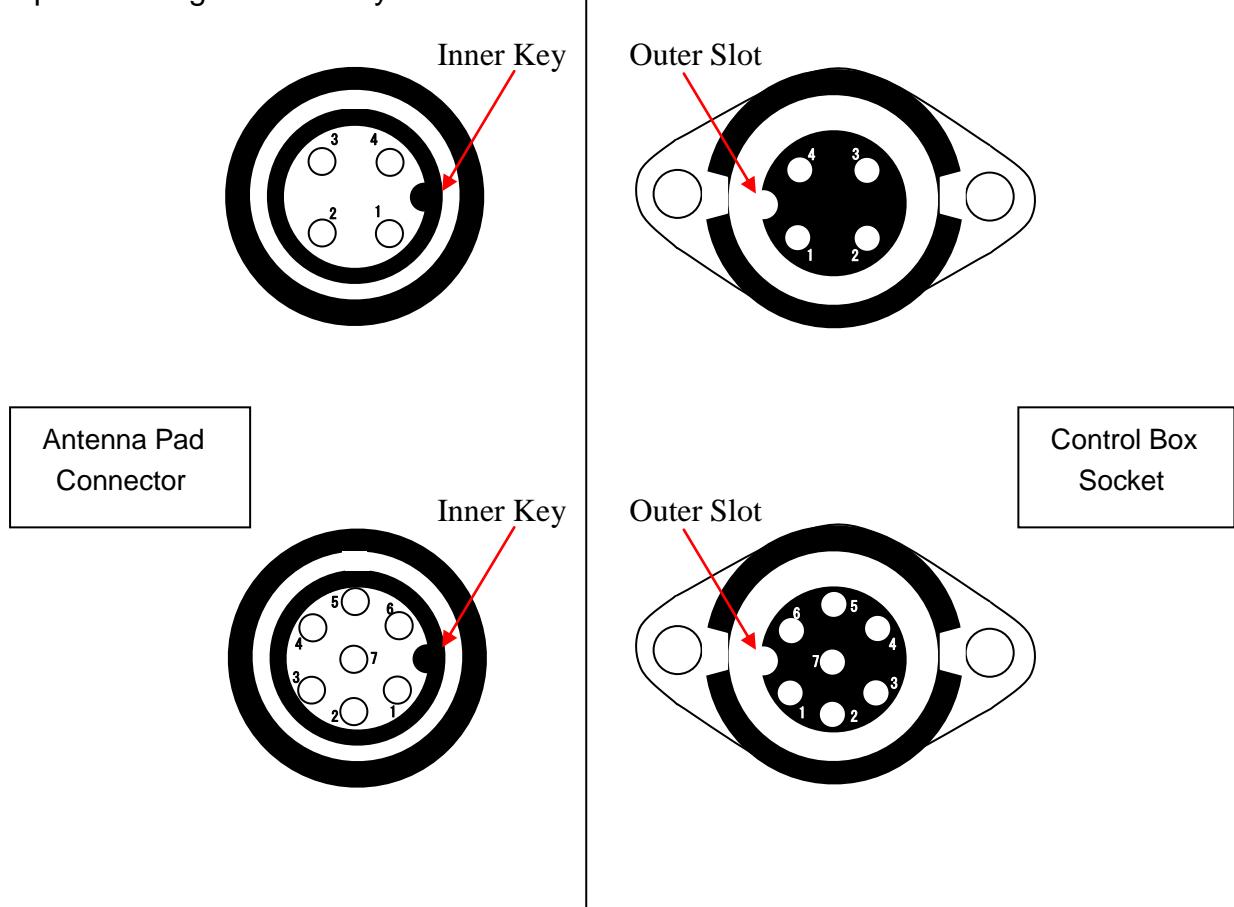
## Deactivator Components and Connections

As shown in Figure 1, the deactivate consists of a detect/deactivator antenna pad, power and control box. The cables used and connections are shown in the following diagram. The antenna pad can be installed flush to the counter with the flush mount kit.

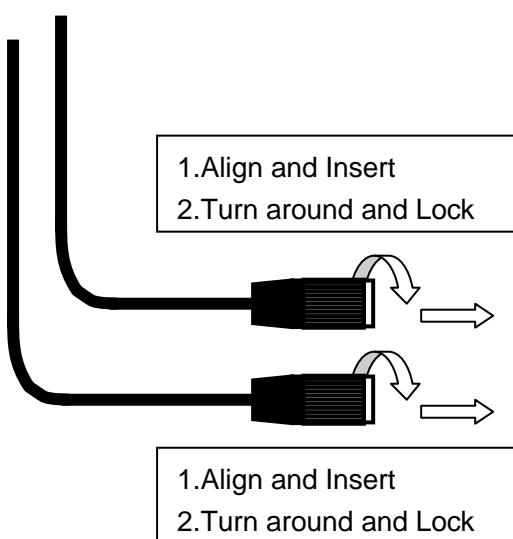


## Socket Connections Notice

To secure good contact and proper connections from the antenna pad to control box, please make sure the cable sockets are firmly connected and the pins are aligned correctly.



**Incorrect pin mapping and loose contact of the connections will lead system to mal-functions!**



### Procedures:

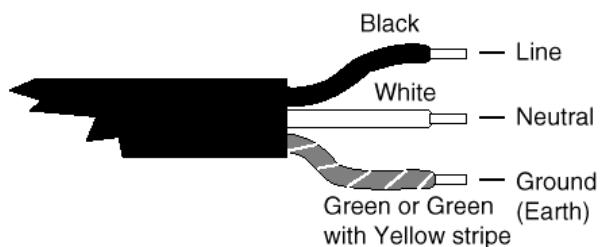
1. First align **inner key** with the **outer slot** and insert the connector of antenna pad into the socket of the control box
2. Secondly turn around the outer case of the antenna pad connector until the three **outer slots** capture the three **outer keys** on control box socket

## Power Cord Notices

### North American Power Supply Cords

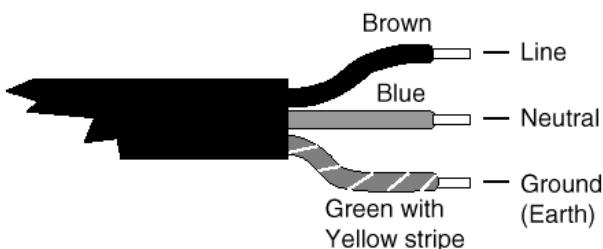
This equipment is supplied with an external power line at one end and a molded receptacle terminal block at the other end. Conductors are color coded white (neutral), black (line) and green or green/yellow (ground).

Operation of this equipment at voltages exceeding 130 vac will require power supply cords that comply with NEMA configurations.



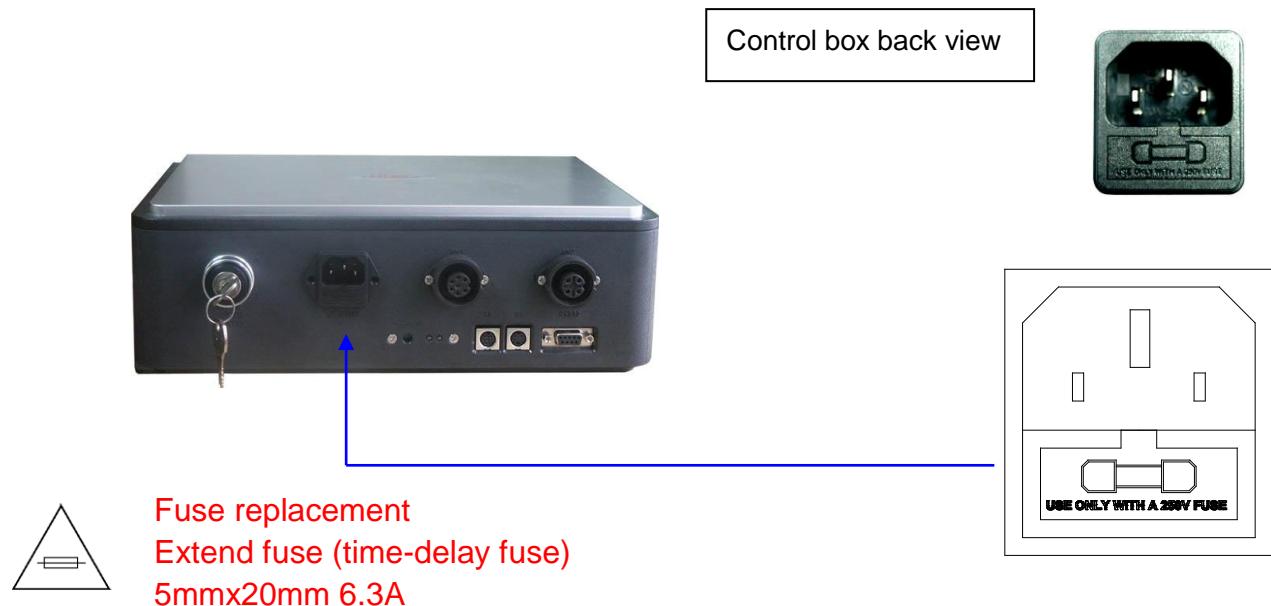
### International Power Supply Cord

This equipment is supplied with an external power line at one end and a molded receptacle terminal block at the other end. Conductors are CEE color-coded—light blue (neutral), brown (line) and green/yellow (ground). Other IEC 320 C-13 type power supply cords can be used if they comply with the safety regulations of the country in which they are installed.



We recommend that you use a CE approved power cord H05 VV-F or H05 VVH2-F2 (Refer to the Electrical code which governs your country for installation of an Anti-Theft Unit to the Main power Supply)

## Fuse replacement



Equipment shall be electrically disconnected from the branch-circuit supply when replacing the fuse.

**WARNING – TO REDUCE THE RISK OF DAMAGE. REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE.**

There is another internal fuse inside the Control Box and located near the AC input voltage selection switch on the Lynx integrated board. If the system goes dead and primary fuse on AC socket is not blown out, please check and replace this fuse by professional service people to see if it bring back power to control box circuit.



## QUICK START INSTRUCTIONS

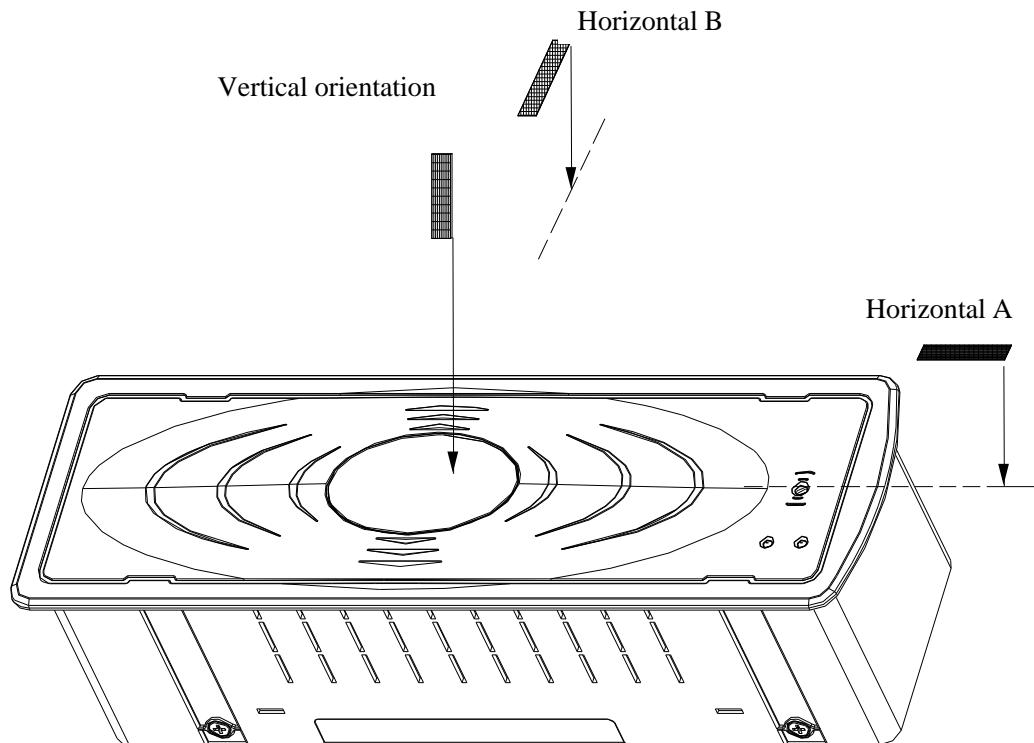
### General Setup and Use

**Equipment must be electrically disconnected from the power supply before connecting the antenna with the control box.**

Connect deactivation antenna to the control box as noted in the section named “Deactivator Components and Connections”.

**Make sure the connectors are firmly attached to the sockets.**

When all connections are ready, connect power and toggle the power switch. The power LED will come on to indicate the unit is active.



#### Detection Range

##### DR Labels

Vertical.....	9cm (3.5 in)
HorizontalA...	10cm (4.0 in)
HorizontalB...	6cm (2.4 in)

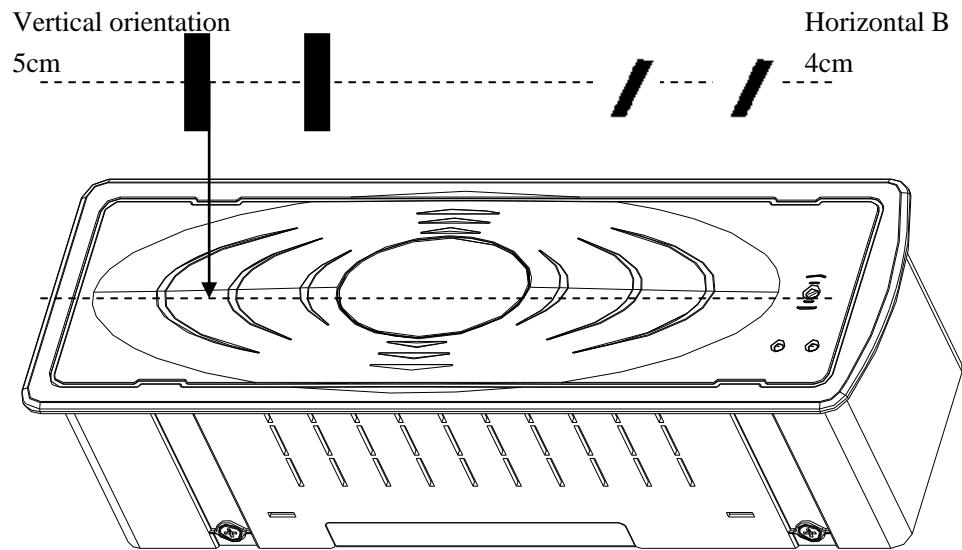
### Vertical Deactivation Range

#### DR Labels

Vertical.....5cm (2 in)

HorizontalA.....3cm (1.2 in)

HorizontalB.....4cm (1.6 in)



Horizontal A peak position 9cm

