



PYRAMID
TECHNOLOGIES, INC.

SENTRY SECURITY MODULE



INSTALLATION & OPERATION MANUAL

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Product Overview

The Pyramid Technologies, Inc. (PTI) Sentry Security Module is a security device that validates tickets printed from the PTI Phoenix Thermal Printer.

Tickets from the Phoenix Thermal printer have a value and an encrypted code printed on them. The value and encrypted code are entered into the Security module. The security module then lets you know (Via a green or red LED) if the ticket is valid and is from the Phoenix printers located in your establishment.

The Security Module is designed for indoor use in the amusement, gaming, lottery, vending and kiosk markets.

Sentry Security Module Features

- Simple Operation
- Sits on a desk or bar top
- 120VAC operation via a wall plug for easy setup
- Flash memory is upgradable by PC via a USB interface

Product Specifications

Operating Voltage- 120 VAC via standard wall outlet
Operating Temperature- 0 to 60 C, 85 % non-condensing humidity (max)
Net Weight- 0.50 lbs
Warranty: 1 year, parts and labor (see Limited Warranty Section).

To order any Sentry Security Module, use the following order information:

Series	Description
SENTRY1	Standard Security Module

What's in the Box

The Sentry ships with a USB harness that can either plug into a PC for flash programming or printer "pairing" or can be plugged into the enclosed power supply adapter to run the unit from 120 VAC.

ID Number Description

Example Serial Number: ID **121500001**

In this example, the first two digits are the year of manufacture (2012).
The week of manufacture is week **15** of 2012.
The sequential production ID number is **00001**.

Dimensional Drawings

For Dimensional Drawings, please visit our website at www.pyramidacceptors.com and look in the Sentry Security Module section.

Limited Warranty

The Sentry Security Module is warranted for a period of one (1) year from date of original invoice. This warranty extends to the original purchaser of the warranted product and each transferee owner of the product, during the term of the warranty. During the warranty period, the manufacturer will repair or replace (at manufacture's option) any parts, up to and including the complete module, which fail to function properly because of defects in material or workmanship. This warranty does not cover any damage related to water, chemical or liquid spills into the device.

The manufacturer is not responsible for any consequential damage, loss of income or performance degradation that results from the use of the Sentry Security Module. The product to be repaired under warranty must be delivered, inbound freight prepaid to an authorized service center. Upon request, the owner must show proof of purchase when submitting equipment for service during the warranty period. Repair or installation at the owner's location is not included in warranty. During the warranty period, manufacturer will pay all outbound ground freight charges to the owner's location. Special handling or shipping charges must be assumed by the owner. The manufacturer will not be liable for any consequential damages as a result of defects in material or workmanship. Any written or applied warranty of this product is strictly limited to the refund of the cost of goods purchased. Damage due to negligence, accidents, electrical overload, misuse, abuse, vandalism, or an act of God, is not covered by this warranty. Any alteration of the product after manufacture voids the warranty in its entirety.

Unpacking the Sentry / Shipping Damage

You should always immediately unpack and inspect to see if the Sentry is damaged; when a product is returned to the owner after service or as new purchase, only consignee (the person or company receiving the Sentry) can file a claim against the carrier for concealed damages. Therefore you should place the Sentry back in its original carton along with the packing materials. Then notify the carrier of damages and request an immediate inspection of the package. Send a letter of intent to file a claim to the carrier within 72 hours from time of delivery. Please also send a copy of this letter to the shipper.

Service

For service information, please contact Pyramid Technologies, Inc. for a Service Center near you. For any items returned under warranty or for repair, complete written information including the ID and model number as well as a description of the malfunction or defects must be submitted to the Service Center when requesting a Return Material Authorization number (RMA number). Owner accepts full responsibility for any return without prior authorization. The RMA number must be displayed on the exterior of the returned product carton(s).

Installation/Mounting

Remove the Sentry from its box and connect the USB cord into the enclosed 120 VAC adapter. Plug the module into the wall and set the Sentry on a flat surface for operation. If you so desire, lift up on the back metal hinge so that the keyboard sits at more of an angle for additional comfort.

Maintenance and Cleaning

The Sentry Security Module is relatively maintenance free. An occasional cleaning is all that is needed to keep the printer in top operation. To clean, use caned air and spray the Sentry.

Programming

The Sentry Security Module must be paired with all of the Phoenix printers that you are using in your establishment. This ensures that tickets from another establishment are not accepted by your establishment. The pairing operation is performed by connecting the Sentry and each of the printers in your establishment one at a time to a PC running the PTI Printer Tools Program to “pair” the devices. **Note: If you have never paired the Sentry, the LED will flash red then green until you do. If you do not pair a Phoenix printer, it will not print out a security “Code”.**

Please visit our website at <http://pyramidacceptors.com/phoenix-tools/> and look in the Phoenix Tools section to download and install the Tools program. Refer to the instructions in the program to pair the Sentry with the printers in your establishment.

Operation

Once paired with all printers, the Sentry is ready to go to work. Install all printers into your equipment. Locate a suitable area for the Sentry Security Module and plug it into the wall. This should be a limited access area out of reach of anyone who does not work at your establishment.

Operational Sequence of Events

When a ticket is printed from the Phoenix Printer (**See Figure 1**), the ticket will include a value and a code.

To validate the ticket:

First press the CLEAR key on the Sentry. Next, enter the value of the ticket and then press the ENTER key.

Next, enter the 12 digit CODE that is located at the bottom of the ticket, then press the ENTER key (You do not have to enter the dashes in the security CODE.). **Note:** If the ticket shows “Value Error” instead of a CODE, this means that the printer did not properly read the value on the ticket. If this occurs constantly on a printer, please contact PTI Support to check if the printer supports the game you are using.

Figure 1

```

TERMINAL#0249 BR#03 MK#0203 LICENSE#0000
-----
09:46:34 * 10/16/12D
TICKET#0000202 ---
** VOUCHER TICKET **
**SPINBALL BONUS **
-----
CRED: 2400 $ 120.00
*****ONE HUNDRED TWENTY*****
*****DOLLARS AND NO CENTS*****
-----
X
-----
VOID IF MUTILATED      VAL# 94D919FF
-----
-----
V:POG_510C/R510POG2 *
MACH#000001 BANK#001
-----
***** VALID ON THIS DATE ONLY! *****
-----
Code: 1547-7340-0965
#1      S/N: 000001

```

Value

Code

Results:

The Sentry will then turn its LED on Solid Green if the ticket is valid.

The Sentry will flash its LED on/off in RED if the ticket was previously redeemed. This ticket is a copy of a previous ticket.

The Sentry will turn its LED Solid Red if the ticket is invalid or has been entered incorrectly. Press CLEAR and retry ticket entry. Note that if the ticket continues to fail after multiple entries, then the ticket may be a fraud.

Note:

These operational instructions are also printed on the back label of the Sentry Security Module for quick review.

Need Assistance?

Call 480-507-0088

7:00 to 2:30 Pacific Time

We are here to Help!