

# **58kHz DOUBLE CHECKER**

# **MANUAL**

**WG SECURITY PRODUCT INC.**

**161 San Lazaro Ave. Sunnyvale, CA 94086 USA**

Tel: 1-877-494-2288 (Toll Free) 1-408-530-8070 Fax: 1-408-530-8074

Website: [www.wgspi.com](http://www.wgspi.com) E-mail: [info@wgspi.com](mailto:info@wgspi.com)

# TABLE OF CONTENTS

## SECTION ONE

|                         |    |
|-------------------------|----|
| SYSTEM DESCRIPTION..... | P1 |
| SECIFICATIONS .....     | P2 |
| PARTS LIST .....        | P4 |

## SECTION TWO

|                                |    |
|--------------------------------|----|
| INPUT POWER NOTICES.....       | P5 |
| QUICK START INSTRUCTIONS ..... | P6 |
| PROBLEMS .....                 | P8 |

## SECTION THREE

|  |    |
|--|----|
| IMPORTANT SAFEGUARDS AND REGULATORY NOTICES..... | P9 |
|--|----|

## Overview

### SYSTEM DESCRIPTION

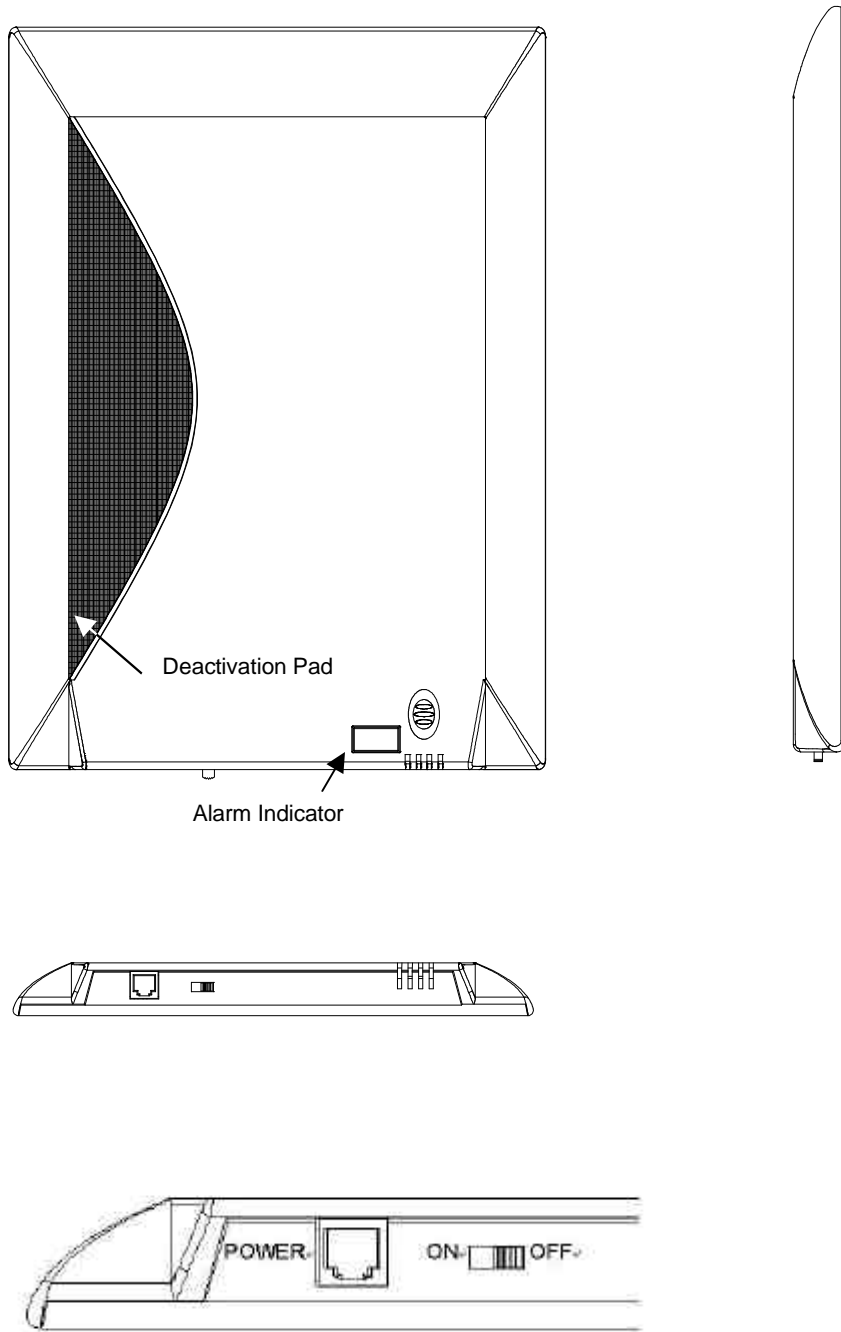
Double checker is a compact size Electronic Article Surveillance detector that works with any 58kHz accousto-magnetic tags and labels. This device is plug and play, which eliminates the need for expensive technicians in installation.

Double checker has the latest signal processing technology that constantly checks the environment and can operate at a higher level of sensitivity, resulting in an excellent detection height of 15cm above the device surface.



| Technical Data           | Europe     | United States |
|--------------------------|------------|---------------|
| Length                   | 32mm       | 13.4"         |
| Width                    | 24mm       | 9.5"          |
| Thickness                | 2.5mm      | 1"            |
| Weight                   | 0.7Kg      | 0.3lbs        |
| Power                    | 220-240vac | 110-120vac    |
| Operating Frequency      | 58kHz      | 58kHz         |
| Maximum Detection Height | 15 cm      | 6 inches      |

# SPECIFICATIONS



## Mechanical

Dimensions (L x W x H)  
Double checker box ..... 34 x 24 x 2.5 cm (13.4 x 9.5 x 1 in)  
Unit weight ..... 0.70 kg ( 0.3 lbs)

Power supplier..... 65 x 51 x 8 cm (25.6x20x3.1 in)  
Unit weight ..... 0.3 kg ( 0.14 lbs)

## Electrical

AC Voltage for power supply.....100-120VAC  
220-240VAC @ 50-60Hz  
Current Draw ..... 0.027Arms  
Input Power ..... < 6 watts

AC Voltage for double checker..... 10VAC x 2  
Current Draw ..... 0.1Arms  
Input Power ..... < 3 watts

## Environmental

Operating Temperature ..... 0 to 50 °C (32 to 122 °F)  
Relative Humidity..... 0 to 90% (non-condensing)

## Regulatory

Safety ..... CE \*\*\*\*  
EMC ..... FCC P9I WGDC58K

## PARTS LIST

|                 |  |           |
|-----------------|--|-----------|
| WGDC58K .....   | Double checker box                               | 1 PC      |
| WGDCPS110 ..... | Double checker power supplier<br>110VAC (USA)    | 1 OF 2 PC |
| WGDCPS220 ..... | Double checker power supplier<br>220VAC (Europe) |           |
| WGDC58K Manual  |  | 1 PC      |



Power Supply (1 of 2 types)  
**CHECK THE TYPE WITH  
 LOCAL POWER VOLTAGE**

- WGDCPS110  
110VAC input for US
- WGDCPS220  
220VAC input for Europe



**INPUT      POWER**

**NOTICES**

Double checker requires two of 10VAC 0.1Arms power. Customer can use transformer provided within the package.



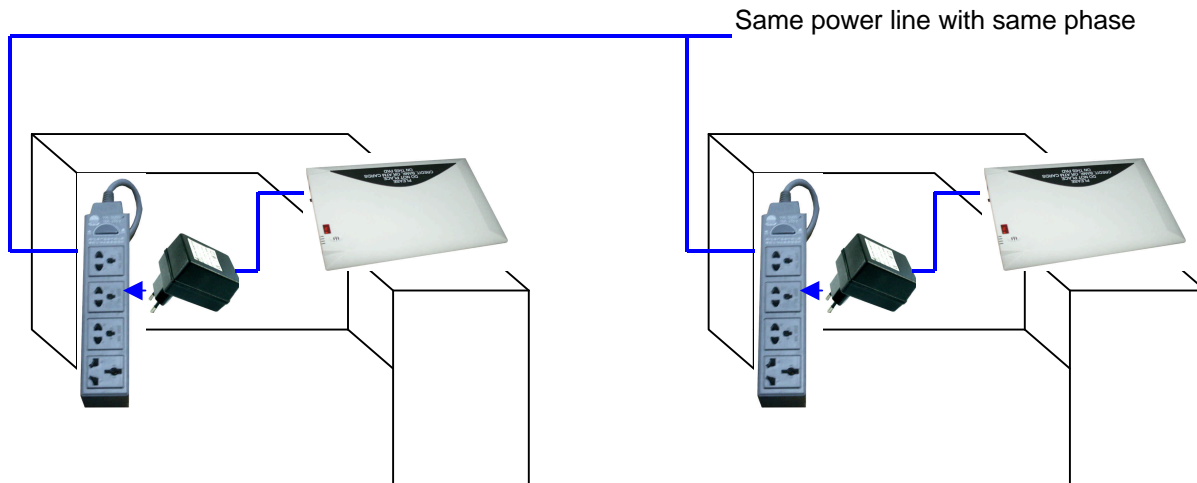
**PLEASE CHECK THE TYPE OF TRANSFORMER WITH LOCAL POWER VOLTAGE BEFORE APPLYING AC TO DOUBLE CHECKER**

AC Voltage for power supply.....100-120VAC @ 60Hz  
220-240VAC @ 50Hz  
Current Draw ..... 0.027Arms  
Input Power ..... < 6 watts

AC Voltage for double checker..... 10VAC x 2  
Current Draw ..... 0.1Arms  
Input Power ..... < 3 watts



No dedicated power line is needed and neither is special grounding necessary, but if there are multiple devices used, **PLEASE PLUG THE DEVICE ONTO THE SOCKETS FROM SAME POWER LINE**, otherwise please adjust phase switch to place multiple devices of double checker into the same working phase.



## QUICK START INSTRUCTIONS

## **Before You Install**

Congratulations on your purchase of one of the finest EAS devices on the market. This is the Installation Instructions manual.

## **Receiving Inspection**

Inspect all shipping containers for any signs of damage. If any is found, notify the shipping company. If there is no obvious damage, continue with the unpacking instructions.

## **Unpacking Instructions**

Carefully remove the contents of container and place on a flat level surface. Compare the contents with the Part List to ensure that there no missing items. Make a note of any discrepancies.

## **Equipment Inspection**

Inspect all equipment for damage. Items to specifically check, and damage to look for, are listed below:

- Connectors for bent or broken pins
- Cables for crimped or broken wires
- Plastic housing for any obvious signs of damage

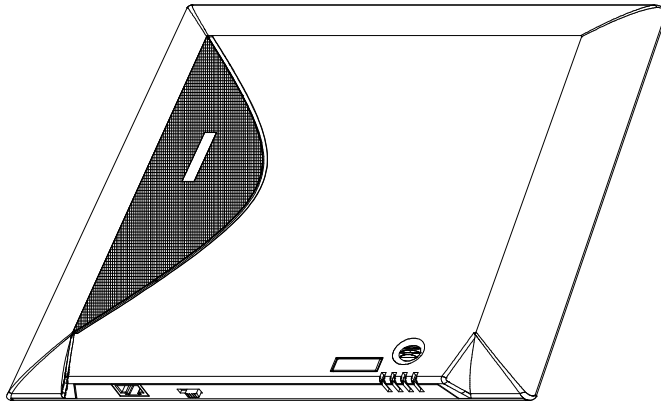
If any damage is found, contact Customer Service at the telephone number in the front of this manual. If any item is damaged, DO NOT make any power or signal connections to the unit unless otherwise advised to do so by Customer Service.

If there are any discrepancies between the Manual Set Inventory sheet and the manuals received, or between the Packing List and items received, contact Customer Service at the telephone number at the front of this manual. If there are no discrepancies and either no damage, or GVG-advised correction action is made, continue with this manual.

## **OPEERATION INSTRUCTION**



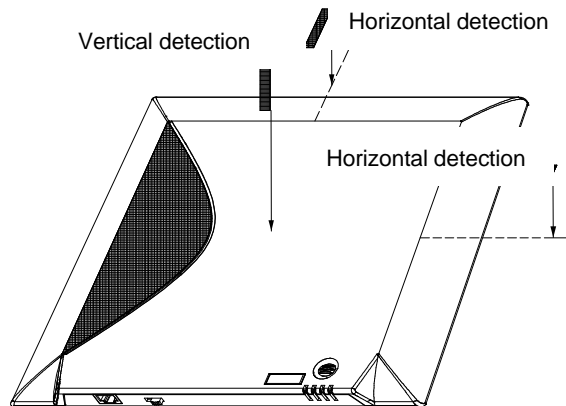
## How to deactivate labels



- Label alive  
Place label with merchandise within detection range (vertical detection is preferred) of double checker to make sure it's not yet deactivated.
- Deactivate  
Secondly, place label onto the deactivation area, making sure that label fully lies on the surface of the area. Wait 1 second.
- Double check  
Then lift label to proper detection range again (vertical detection is preferred) to make sure that the label is fully deactivated.

## Detection Range

|                          |               |
|--------------------------|---------------|
| LE labels                |               |
| Vertical Detection ..... | 10cm (4 in)   |
| Horizontal .....         | 6cm (2.4 in)  |
| DR labels                |               |
| Vertical Detection ..... | 15cm (5.9 in) |
| Horizontal .....         | 10cm (4 in)   |



(Note: Detection range may vary upon differ the performance under normal circumstances)

## PROBLEMS

If you have ensured that every step in installation is correct and all connections are ok,

and the system still malfunctions, our technicians will help with phone support. For Tech Support In Your Country Please Visit Our Web Site [www.wgspe.com](http://www.wgspe.com).

## **IMPORTANT SAFEGUARDS AND REGULATORY NOTICES**

### **Federal Communications Commission statement:**

*This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.*

**CAUTION:** Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment