



58kHz Wifi StealthPad™ Deactivator Installation Manual

**Version: 2022 Oct
Manual Part number: WG WF SP-IM
(221027C)**

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FCC ID: 2A8TVWGWFS58-II

"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."

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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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IC: 29378-WGWFSP58II

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.**
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.**

l'appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux CNR exempts de licence d'Innovation, Sciences et Développement économique Canada. L'exploitation est soumise aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage,
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

ce matériel est conforme aux limites de dose d'exposition aux rayonnements, CNR-102 énoncée dans un autre environnement. cette équipement devrait être installé et exploité avec distance minimale de 20 entre le radiateur et votre corps.

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OVERVIEW

System Description

StealthPad is a distance deactivator providing excellent deactivation reliability and high throughput. The StealthPad can be easily installed on the counter top or flush mount. StealthPad deactivates AM labels up to 5 cm (2 in.) above the surface of the pad at a high throughput speed.



Wifi StealthPad



Double Resonant Labels

Features

- **Compactness**
Its small footprint makes the antenna especially attractive in small counter tops or where counter space is at a premium.
- **Proximity Deactivation**
The StealthPad offers distance deactivation, making it perfect for both source tagged and retailer tagged merchandise.
- **Compact Size**
The compact size of the deactivation antenna allows StealthPad to easily be integrated into a counter application.
- **Integrated Audible and Visual Notification.**
Label deactivation notification is built into the StealthPad.
- **Cloud Accessible**
StealthPad includes the remote access capability via WG's optional Cloud TM software for a variety of remote controls and data mining.

Specifications

Electrical

Primary Input	115/230 $\pm$ 10% @60Hz/50Hz (Input)
Rated Current	0.3A/5A
Transmitter Output	1.6ms Burst
Transmitter Current	0.3A Peak (Nominal)
Operating Frequency	58kHz

Mechanical

StealthPad Antenna

Height	236mm (9.3")
Width	186mm (7.3")
Depth	64mm (2.5")
Weight	1.5kg (3.3 lbs)

Wifi Antenna

Length	108mm (4.3")
Width	10mm (0.4")
Weight	15g (0.033 lbs)

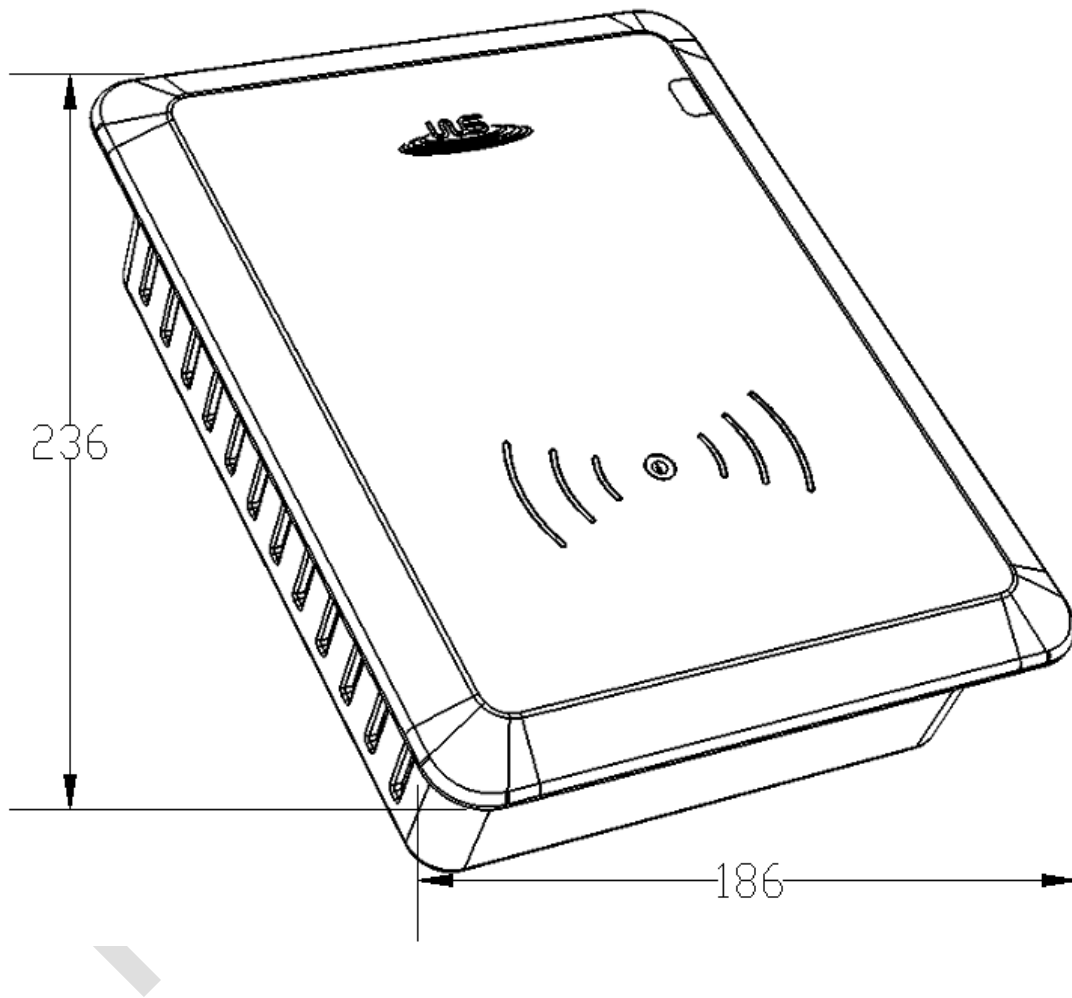
Environmental

Operating Temperature	0 to 49°C (32° to 120°F)
Relative Humidity	0 to 85% non-condensing

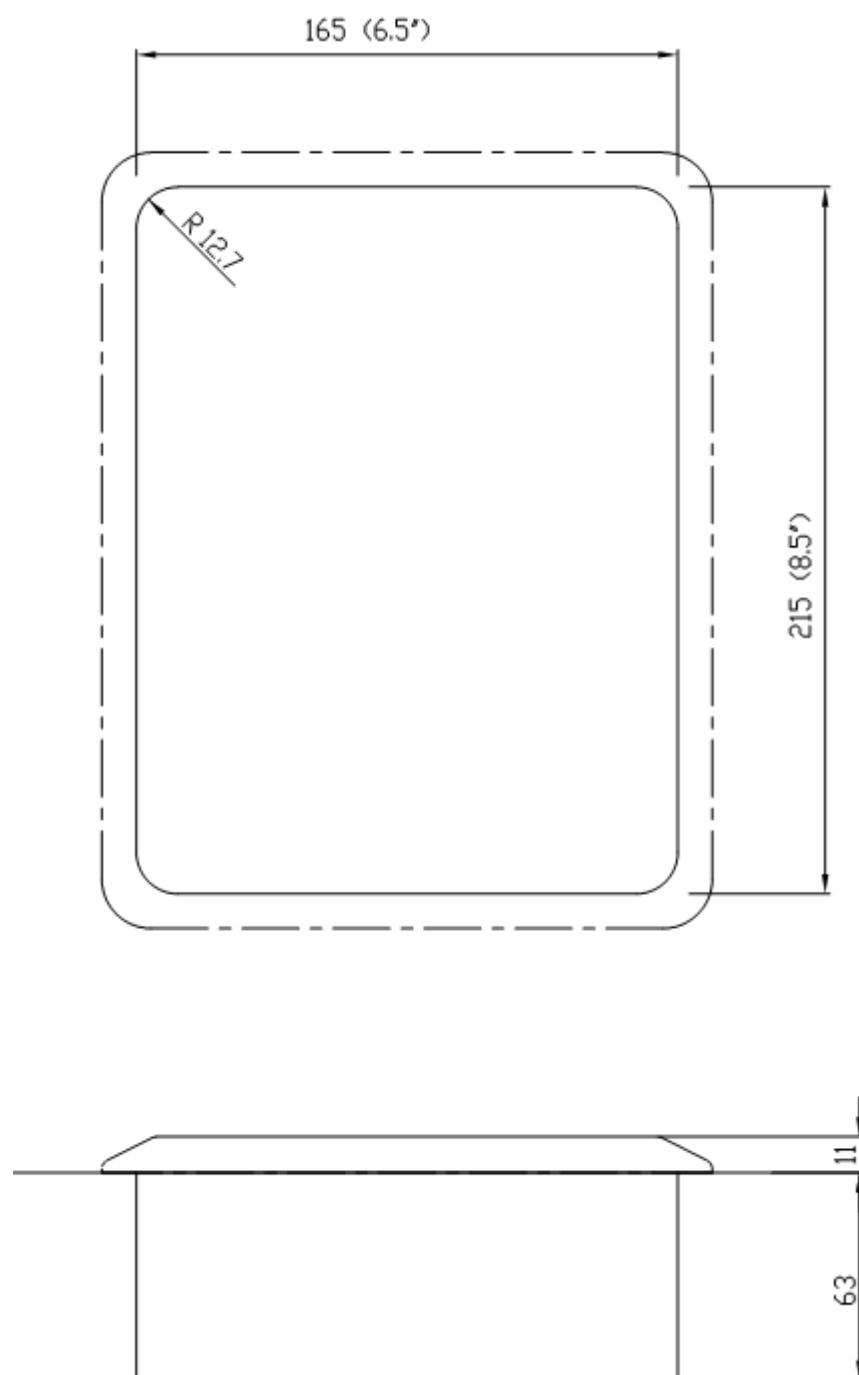
PRE-INSTALLATION GUIDE

CAD Dimensions

StealthPad(All dimensions are in millimeters)



Flush Mount Cut Out Suggestion



Installation Site Power Supply Check

IT IS RECOMMENDED THAT ALL STEALTHPADS BE ON THE SAME POWER PHASE. Otherwise you need to adjust B sync value step by step to find a best position to sync different StealthPads when connected to power sources with difference phases.

ENSURE THERE IS SUFFICIENT CURRENT SUPPLY IF MULTIPLE STEALTHPADS SHARE ONE POWER SOURCE. The rated current for StealthPad is 0.3A but the suggested current draw for one StealthPad is 1A for better performance, so a 15A power box will better serve 10 StealthPads instead of 15 or more.

ENSURE THERE IS GOOD GROUNDING FOR THE STEALTHPAD POWER SUPPLY. Sometimes poor grounding and high noise from the power supply will lower the sensitivity or detection range.

Preliminary

INSTALLATION

Parts List



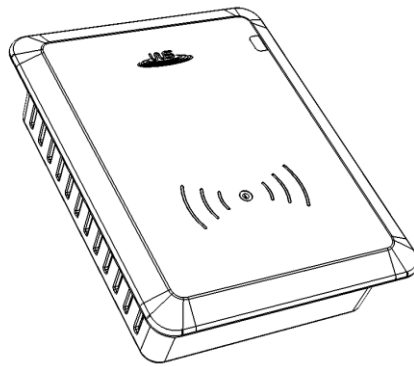
Antenna (1)



Wifi Antenna (1)

<u>Part Name</u>	<u>Order Number</u>
Wifi StealthPad for 110VAC power voltage	WG WF SP 58-II 110V WG WF SP 58-II 110V B
Wifi StealthPad for 220VAC power voltage	WG WF SP 58-II 220V WG WF SP 58-II 220V B
Wifi Antenna	Wifi SMA Antenna

StealthPad FRONT VIEW



DEFAULT

RESET



Wifi Antenna
Socket

Power
Socket

Power Switch

Deactivator Components and Connections

As shown in Figure 1, the deactivator 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.



HIGH VOLTAGE – HANDLE WITH CARE!

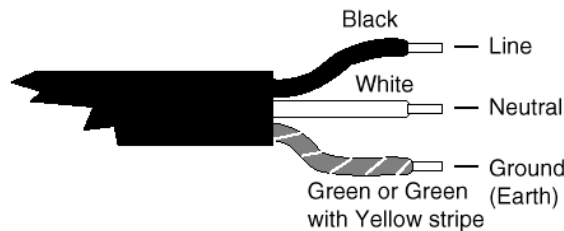
Equipment must be electrically disconnected from the branch-circuit supply when connecting Wifi StealthPad

Power Cord Notices

North American Power Supply Cords

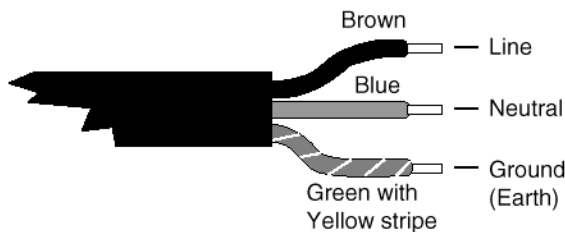
This equipment is supplied with an external power line at one end and a molded receptacle terminal block at the other end. Conductors are color coded white (neutral), black (line) and green or green/yellow (ground).

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



International Power Supply Cord

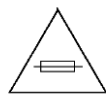
This equipment is supplied with an external power line at one end and a molded receptacle terminal block at the other end. Conductors are CEE color-coded—light blue (neutral), brown (line) and green/yellow (ground). Other IEC 320 C-13 type power supply cords can be used if they comply with the safety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



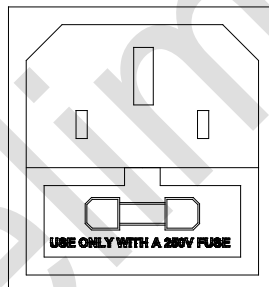
We recommend that you use a CE approved power cord H05 VV-F or H05 VVH2-F2 (Refer to the electrical code with governs your country for installation of the Anti-Theft Unit to the main power supply).

Fuse replacement

Wifi StealthPad



Fuse replacement
Extend fuse (time-delay fuse)
5mmx20mm 0.5A/5A



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

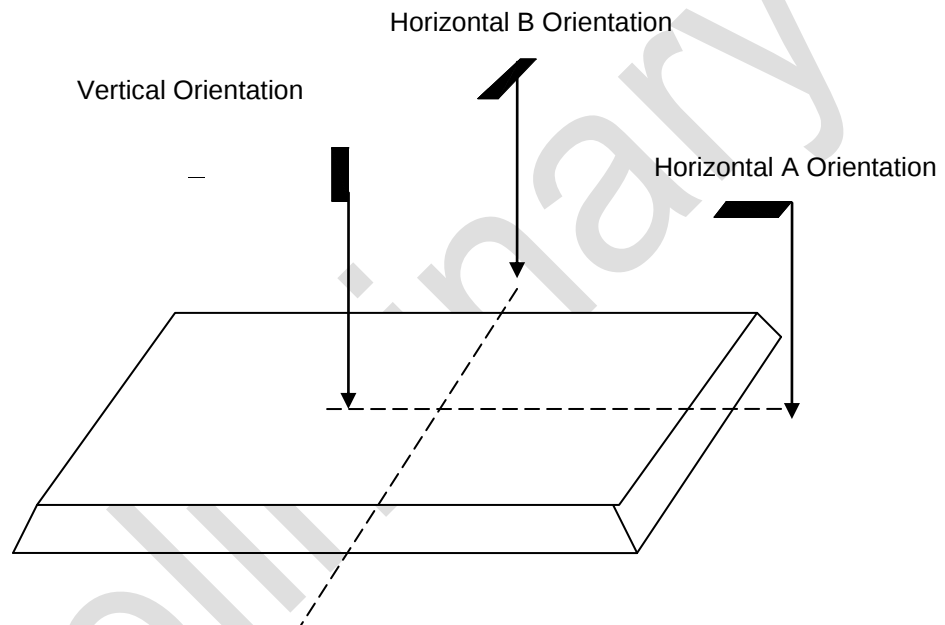
WARNING – TO REDUCE THE RISK OF DAMAGE, REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE.

QUICK START INSTRUCTIONS

General Setup and Use

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 (Adjustable)

DR Labels

Vertical.....	9cm	(3.5 in)
Horizontal A.....	5cm	(2.0 in)
Horizontal B.....	5cm	(2.0 in)

Deactivation Range

DR Labels

Vertical	5cm	(2.0 in)
Horizontal A.....	3cm	(1.2 in)
Horizontal B.....	4cm	(1.6 in)

WGcloud DigiToolClient Communication Connection Setting Instruction

Factory settings of the WIFI Module are Sta mode. Set the wireless router to
AP's SSID: wgcloud
Pass Phrase: 4487uh9y
Server IP: 54.183.61.247

WG WIFI Module Config Tool V1.6_20200201

Module List

[Switch IP : 10.10.100.2](#) Scan

ModuleName	GroupName	Module IP	MAC Add	RSSI
WG_AP	WG_AP	10.10.100.1	60:C5:A8:60:3...	-0

WirelessSetting

Mode Setting

Mode: ☐ AP Mode ☒ STA Mode

AP/STA Setting

AP's SSID:

Encrypt: ☐ OPEN ☒ Encrypt

AP's PSK:

Connect Setting

Server IP:

Use in

☐ WIFI EAS System

☐ WIFI Reader

☒ WIFI Checker

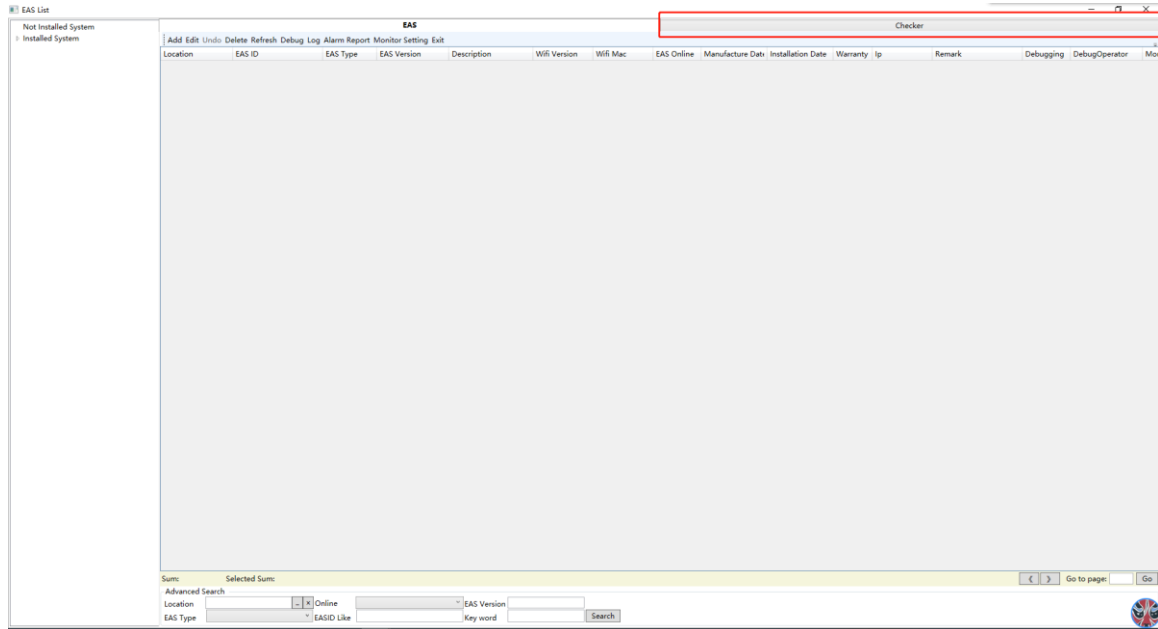
Save

FAC Setting

Advanced

If router SSID needs to be changed, the use in must be set to WiFi checker after changing through the configuration software

Wifi StealthPad Installation Manual



EAS										Checker					
Add Edit Undo Delete Refresh Debug Log Check Report Exit															
#	Location	Checker ID	EAS Type	Version	Description	Wifi Version	Wifi Mac	Offline	Manufacture Date	Installation Date	Warranty	Ip	Remark	Debugging	De
331		S1-00-31-22/06-00191	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F9865	False	6/4/2022		1	/116.236.79.5019270		False	
332		S1-00-31-22/06-00192	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F983E	False	6/4/2022		1	/116.236.79.503679		False	
333		S1-00-31-22/06-00193	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F9864	False	6/4/2022		1	/116.236.79.5033401		False	
334		S1-00-31-22/06-00194	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F9847	False	6/4/2022		1	/116.236.79.5029234		False	
335		S1-00-31-22/06-00195	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F94E5	False	6/4/2022		1	/116.236.79.5043328		False	
336		S1-00-31-22/06-00196	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F942A	False	6/4/2022		1	/116.236.79.5028824		False	
337		S1-00-31-22/06-00197	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F943F	False	6/4/2022		1	/116.236.79.5036250		False	
338		S1-00-31-22/06-00198	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F951B	False	6/4/2022		1	/116.236.79.5028110		False	
339		S1-00-31-22/06-00199	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F9829	False	6/4/2022		1	/116.236.79.5051748		False	
340		S1-00-31-22/06-00200	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F989D	False	6/4/2022		1	/116.236.79.5058885		False	
341		S1-00-31-22/06-00201	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F987D	False	6/4/2022		1	/116.236.79.5056528		False	
342		S1-00-31-22/06-00202	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F9499	False	6/4/2022		1	/116.236.79.5019221		False	
343		S1-00-31-22/06-00203	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F9418	False	6/4/2022		1	/116.236.79.5026400		False	
344		S1-00-31-22/06-00204	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F940D	False	6/4/2022		1	/116.236.79.5030889		False	
345		S1-00-31-22/06-00205	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F9466	False	6/4/2022		1	/116.236.79.5029203		False	
346		S1-00-31-22/06-00206	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F9365	False	6/4/2022		1	/116.236.79.5036819		False	
347		S1-00-31-22/06-00207	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F94C7	False	6/4/2022		1	/116.236.79.5025822		False	
348		S1-00-31-22/06-00208	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F932B	False	6/4/2022		1	/116.236.79.5058169		False	
349		S1-00-31-22/06-00209	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F936D	False	6/4/2022		1	/116.236.79.5042933		False	
350		S1-00-31-22/06-00210	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F9869	False	6/4/2022		1	/116.236.79.5031352		False	
351		S1-00-31-22/06-00211	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F98C0	False	6/4/2022		1	/116.236.79.5035550		False	
352		S1-00-31-22/06-00212	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F986E	False	6/4/2022		1	/116.236.79.5022480		False	
353		S1-00-31-22/06-00213	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F9407	False	6/4/2022		1	/116.236.79.5010089		False	
354		S1-00-31-22/06-00214	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F94F2	False	6/4/2022		1	/116.236.79.5023767		False	
355		S1-00-31-22/06-00215	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F942C	False	6/4/2022		1	/116.236.79.5038596		False	
356		S1-00-31-22/06-00216	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F9861	False	6/4/2022		1	/116.236.79.502507		False	
357		S1-00-31-22/06-00217	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F9346	False	6/4/2022		1	/116.236.79.5056862		False	
358		S1-00-31-22/06-00218	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F9823	False	6/4/2022		1	/116.236.79.5040497		False	
359		S1-00-31-22/06-00219	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F946B	False	6/4/2022		1	/116.236.79.5022658		False	
360		S1-00-31-22/06-00220	WG WF SP 58-II 110V B	01.00(2022.01.21)		1.1.9.11.12-2.1.5	60CSA87F98B4	False	6/4/2022		1	/116.236.79.5050126		False	

All WG WF SP are under the checker list.

Win Delay(C)

Sync(B)

Min(H)

Deactivator Count

Read

Save

Reset EAS

Reset Wifi

Params ReadOut

10000

9000

8000

7000

6000

5000

4000

3000

2000

1000

0

10000

9000

8000

7000

6000

5000

4000

3000

2000

1000

0

Peak

Avg

Peak

Avg

Scale

10000

Start

Enter into debug interface