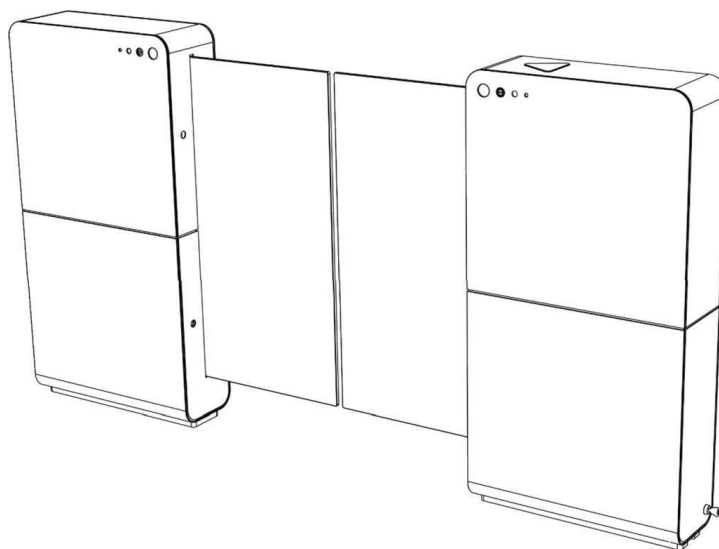# SigmaGate & Sesame 2

EXIT SOLUTION

Woolworths SigmaGate & Sesame 2

Installation Manual (**75mm gap**)

Version	Date	Comments	Issued by
1.0	N/A	First version	Radford
1.1	2024-10-14	Changed instructions to Gen3 remotes	Jonathan Gunnarsson
1.2	2024-10-21	Adjusted Customer facing radar instructions	Jonathan Gunnarsson
3.0	2024-10-24	Updated version structure to follow the previous manual and updated instructions from feedback.	Jonathan Gunnarsson
3.1	2024-11-01	Updated images of the receiver/remote instructions	Jonathan Gunnarsson
3.2	2024-11-19	Adjusted manual from feedback.	Jonathan Gunnarsson
3.3	2024-12-05	Updated remote control instructions as per Woolworths cfg	Jonathan Gunnarsson

Radford.

Installation Manual Version 3.3

Table of Contents

1. Sesame 2/SigmaGate system introduction

The Itab Sesame 2/Sigma system is a unique system fully developed by Itab Ab Sweden that incorporates patented software.

Sesame 2 is designed to identify the customer who has fully completed payment for the purchase of goods at the checkout POS terminal.

This payment confirmation was achieved via a series of overhead camera sensors (loaded with Itab IP software) profiling the people standing next to the payment terminal at the same moment their payment has been validated through the same checkout payment terminal.

Upon validation by the store POS payment terminal a signal is instantaneously sent to a device (usually installed at the back end of the store) known as a storetracker (also loaded with Itab IP software) and validates a customer using the overhead mounted camera sensors.

At the physically controlled exit point, a set of SigmaGates are installed to create a physical barrier to non-paid customers and only opening for the paid and validated customer as they approach a pre-set distance to the SigmaGate.

After the paid customer passes through the gates, they return to their normally closed position thereafter awaiting the next paid customer to approach.

2. Contact Information

Shipping address: Unit 6/ 5-7 Malta St Fairfield East
Aron Casey --0452 293 607 ac@radfordretail.com
Ray Casey – 0403 304 600 rc@radfordretail.com
Dominic Casey – 0411 881 904 dc@radfordretail.com
Software support – support@radfordretail.com

3. Shipment Content with MPB

Note

Make sure that the following content is delivered before starting installation. Below content is based on a saloon installation of SigmaGates.
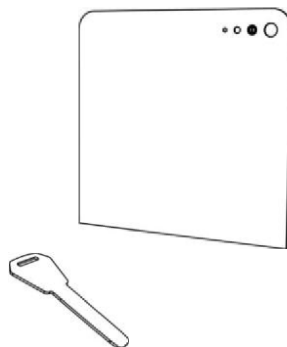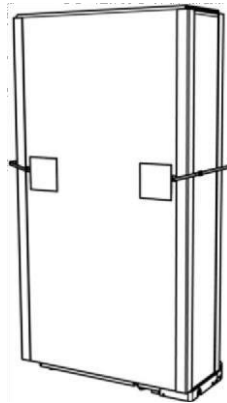
Name:………………..

Date:………………..

Please sign to confirm all items have arrived and are in good working condition.

2X SigmaGate with MPB (Breakout

brackets

2X Left service hatch 2X Right servicehatch

2X Key set
Base Plate Lifter
Remotes

To install the SigmaGate/Sesame 2 system into the front-end self-scan area (or conventional checkout area) please follow the following steps:

4. Install Installing drop down poles

Install drop down poles and mount camera sensors, precisely as located from store drawing – store drawing to be provided by the builder.

Important notes on installing Xovis sensors onto the drop-down poles:
a) Must be installed as per matching ID as each sensor will have its own IP address and location above the floor – check with to ensure the correct Xovis sensor match the overhead floor location.
b) Must be installed at a specific height.
c) Must be Installed Level.
d) Must be installed rigidly to prevent movement.
e) Must be installed as per individual store drawing – check with builder as dimensions (floor location & height from floor) are critical and will vary from site to site.
f) Must be kept free from dust and grease.

5. Install data cables to Xovis sensors

Install data cables as plug & play cables to each Xovis sensor and spider (if required) to Woolworths network (Xovis sensors front-end coms cabinet and spider (if included) the Woolworths network via the backend coms cabinet.

Note: If more than nine Xovis sensors are used, an additional device (spider) will also have to be connected to the network. See drawing below showing a typical schematic of the sesame 2 hardware including the virtual store racker.
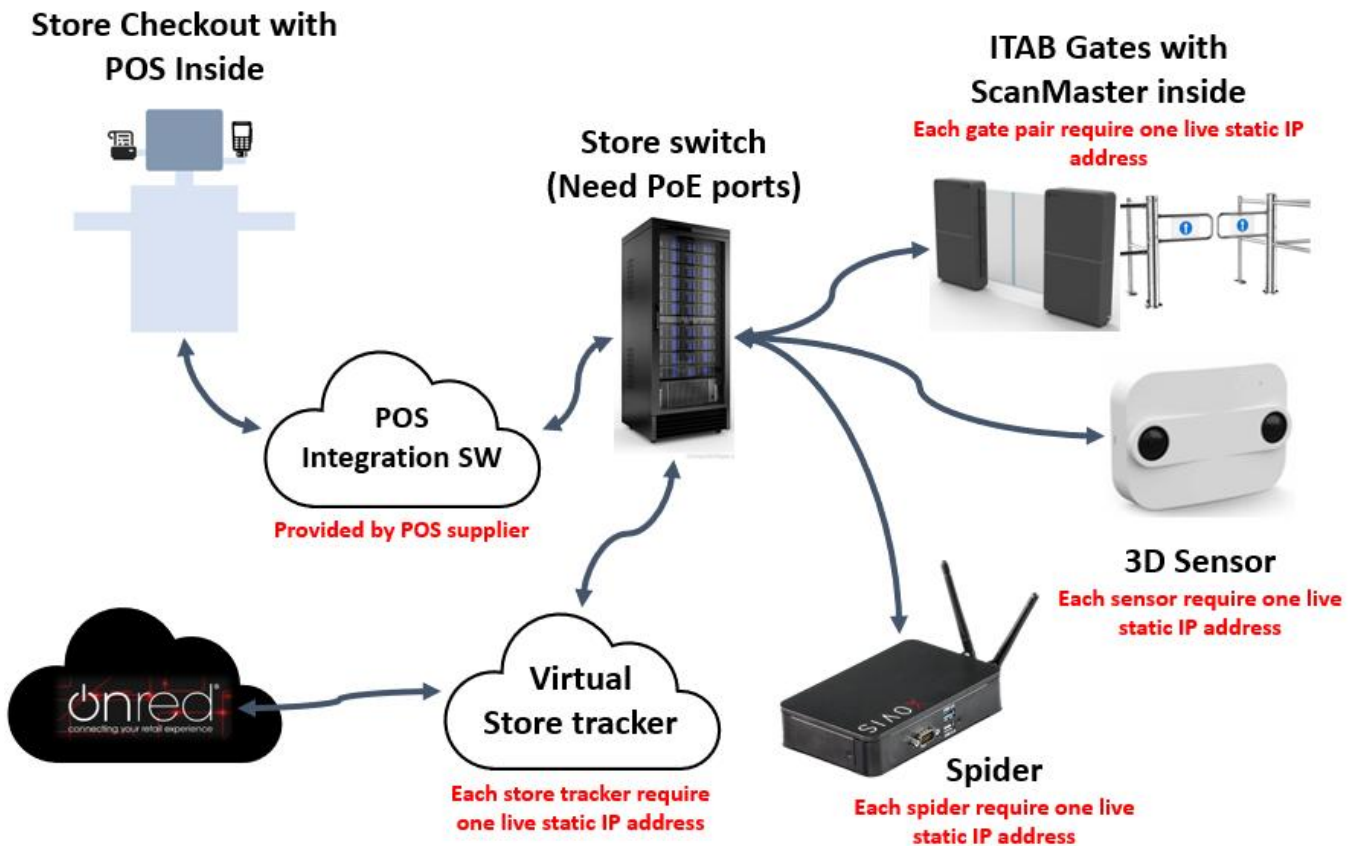
Note: Store checkouts and POS systems are already connected to the store switch, and it is not necessary/required to run additional patch leads to the checkouts.

6. Installing the Spider Device

The Spider devices are to be placed in the comms cabinet (see site manager for cabinet number) and be plugged into a 240-power outlet using the power cables provided.

Connect the Spider to the switch using a cat5e or higher network cable. Plug one end of network cable into the network port on the sider. See IPtracker for port number.

<u>Please note that a spider is only needed if more than 9 sensors are being used in the same zone.</u>

7. Routing of cables through the floor

1963mm
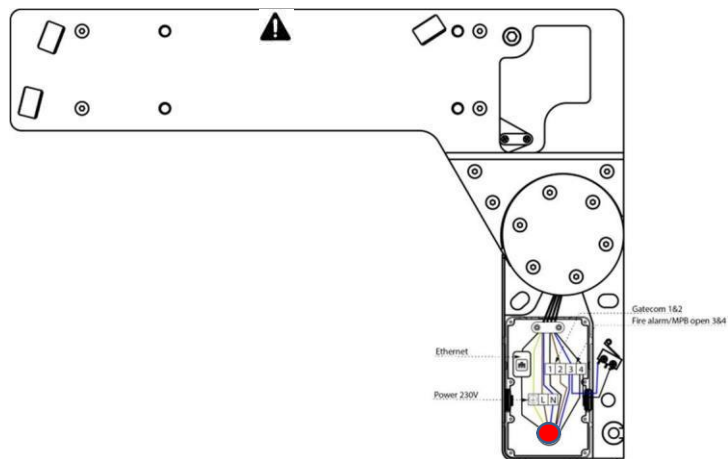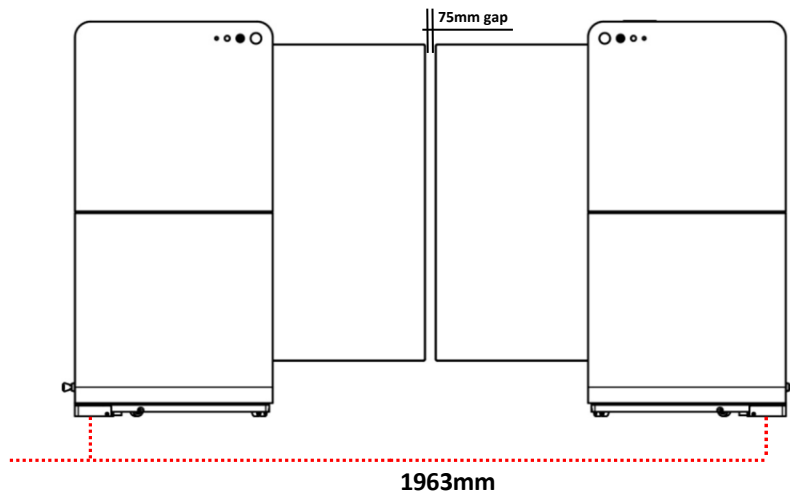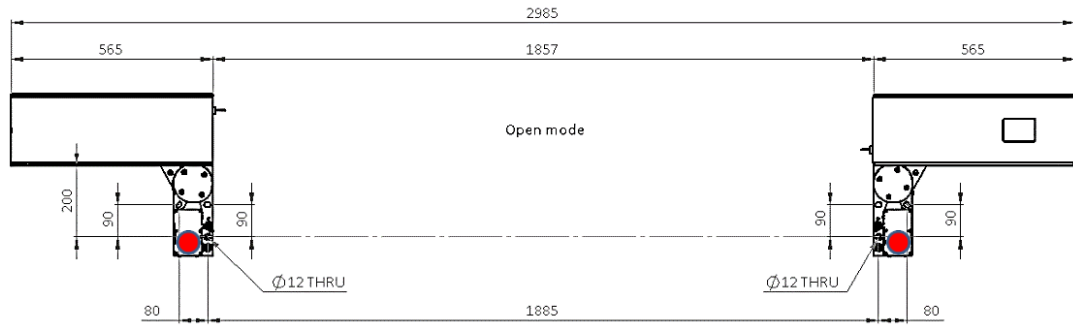
**There are 2 options for routing the data cable to the ScanMaster board:**

1. Rout the data cable directly from the store switch/coms cabinet to the ScanMaster board directly with no breaks in the cable. Open circular plate and run data cable through the MPB bracket, ensuring that the data cable is looped around the metal cable protector then plugged directly to the ScanMaster board.

   Or

2. Connect the data cable to the RJ45 connector in the base plate and cover the connector and cable with a suitable protective sleeve or shroud.

8. Mounting of gates (MPB)

1. **Lay our SigmaGate using floor drilling-template provided:** Mark the floor for the three main ground fixings, then mark power and data aperture for floor chasing (including the data cross-over cables) before drilling the three main fixing holes.
    Note: both SigmaGate individual units require a 240V power supply chase to them – see below drawing.
2. Mark out the centerline of where the gates will be installed.
3. Mark out two lines perpendicular to the centerline,

    c/c 1838 mm. Make sure the lines are placed in the center of the entrance or exit.

4. Use the drilling templates to mark out the six drilling holes.
    Note: Make sure to accommodate the extra 45mm due to the increased gap between the glass doors from 30mm to 75mm.
5. Holes must not be bigger than Ø10.
6. Make sure the floor is flat. If it is not, use the shims to make it flat.
7. Fix bracket to the floor using appropriate fasteners. The manufacturer recommends fastening the

    mounting plates to the ground with chemical fixings. Please note that the final responsibility lies with the

    builder/architect.
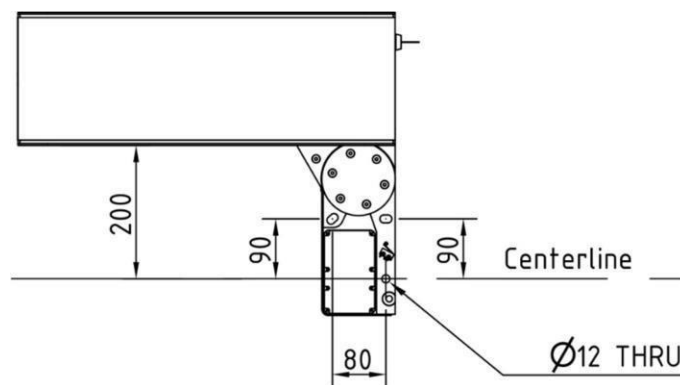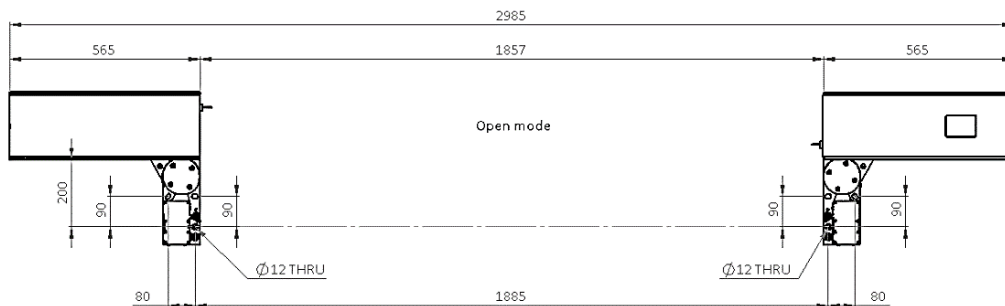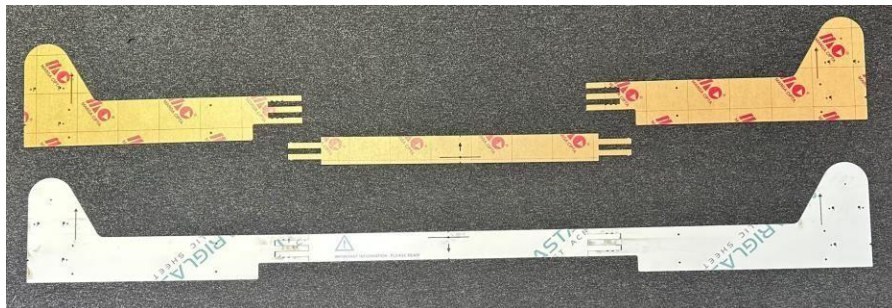
Important notes on floor assessment for SigmaGates

a. Before any fixings holes are drilled, it's very important to establish if the ground is level (max floor bowing of 10mm can be accommodated) by installing the base-plate-lifter (BPL) provided with the kit.

b. For the sake of clarity: it's important to note if a Base Plate Lifter is required it will be most likely required on both gate boxes, otherwise the height of the gate arms may not align.

c. mark out the total arc of the gate of approx. 1000mm to a 90-degree position from centre of MPB bracket to establish **breakout area** of the individual gate box and check the floor is flat and level. Fit the baseplate lifters as required.

d. The fourth (smaller and precise fixing hole) front-mounted fixing hole needs to be precisely drilled (drill bit to penetrate Manual Pushout Bracket hole during the drilling process) and only installed **AFTER** all <u>three</u> main fixings have been fully installed into the ground with the SigmaGates **fully aligned and locked** into the ground with Chemset – this provides the best chance of alignment retention thereafter.
    (*Tip: drill with a slightly smaller drill bit to begin with and then drill with the precise size drill bit*)

The Base plate Lifter Kit Contents

2x 10mm base plate lifter plates(solid)
2x sets of 2.4mm retrofit base plates
2x sets of 4mm retrofit base plates
2x sets of circular shims for bracket
2x locator screws
1x left MPB "L" corner bracket
1x right MPB "L" corner bracket

Notes:
1) It is extremely important to note that if you have assessed that a lifting bracket may be required, that there has been sufficient allowance of thread left for the gates to be bolted onto.
2) If this kit is being used for a return visit to site for any reason, it will need to be assessed if the use of this kit will result in gate relocation due to the lack of thread left on the floor fixings. (As noted above)
3) It is also very important that the floor is tiled underneath the gates and that the floor is of sound structural integrity
4) When using the lifter plates start with the smallest thickness first and reassess if a thicker plate is required.

The aim is to lift the gate up enough to avoid the fowling of the gates on the ground with as few lifter plates as possible.

1) The first step is to make sure the gate is fully in the breakout position. (See image below).
2) Remove the locator bolt from the bracket and back off any nuts to allow the baseplate room to lift. (see image below)

Tilt the gate in one direction and slide one half of the bracket underneath. Then tilt the gate in the other direction and slide in the other half of the bracket underneath the gate. (See image below)

Check for floor clearance now that the gate has been lifted and assess if larger plates are required.

Check for clearance across the baseplate "L" brackets and swap out for the angled L brackets provided if necessary.

Changing the L brackets

Remove the 3 x 2.5mm Allen screws as per image below and remove the "L" bracket.

Place the new bracket up against the baseplate making sure that the grooves of the junction box are lined up with the new bracket (see image below) and make sure the screws are all in place before fully tightening down to prevent any uneven aligning issues.

9. Securing MPB bracket into position

Two of the four holes for fastening the MPB block to the floor are made larger to allow adjustment when installing the gates. If the fasteners are not holding the MPB block strong enough to the floor, the gate position can be incorrect leading to interrupted photocell signals and faulty behaviour of the gates. To prevent this, the two larger holes can be filled with chemical anchoring to lock the position after making sure the gates are in line with each other.

Use countersunk concrete screw supplied for the fourth fixing.
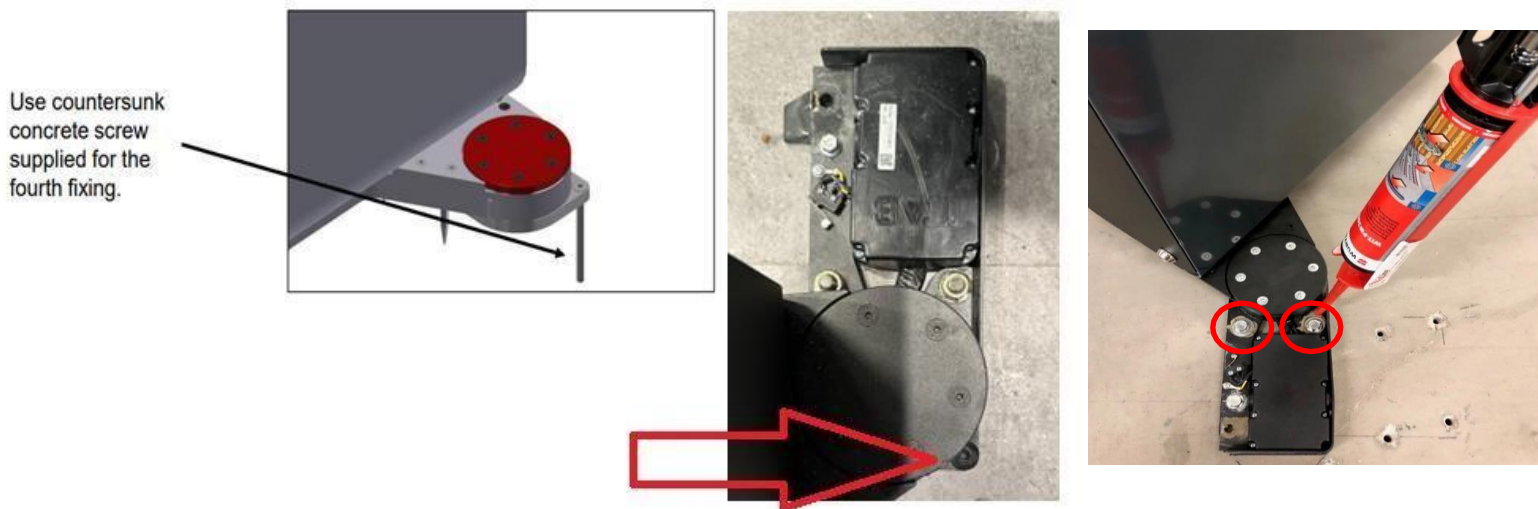
10. Routing of Power and Data cables through MPB

There are two ways of routing Power and Data cables into SigmaGate MPB.

1. Through the floor. Holes for the cables need to be drilled in the floor and cables can be routed through the MPB base plates.

2. Through uprights and ceiling feeding tubes. Cables are then routed via a short chase along the floor and then through the MPB base plates.

   NOTE: Power feed cable to be reticulated from an approved isolator.

   NOTE: The MPB is designed for use in the event of system malfunctions or emergencies and is not intended for stock feed purposes or any other similar activities.

11. Connection of Power (MPB from floor)

- Connect earth, live/phase and neutral cables to the connection terminal according to the markings on the terminal.

- Do not remove gate stop from bracket or the microswitch may become damaged.

Gatecom 1&2
Fire alarm/MPB open 3&4

Ethernet

Power 230V

Connect green/yellow cable (Earth) to ⊕ socket.
Connect brown cable (Live) to L socket.

Connect blue cable (Neutral) to N socket.
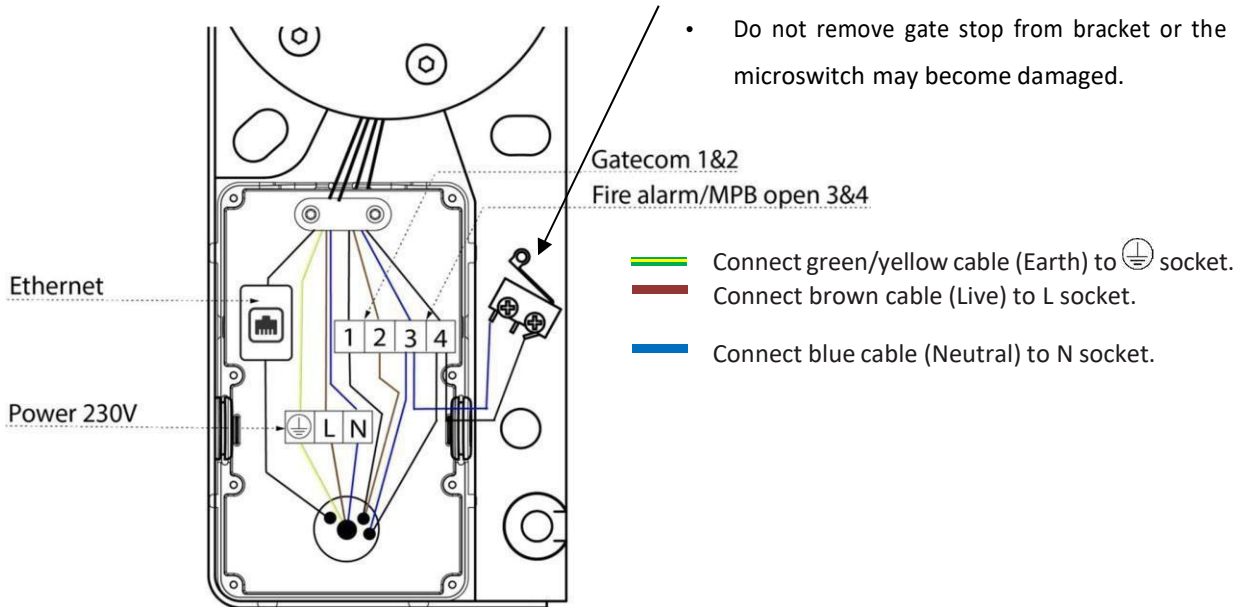
12. Connection of Power to SigmaGate

1.   Pull the 230V cable through the cable ties in the lower corner of the gate. Tighten the cable ties.

2.   Do not store any excess cables or ties inside the gate.

3.   Adjust the cable length.

4.   Connect earth, phase and neutral cables to the connection terminal according to the markings on the terminal.

5.   Fasten the cable to the strain relief.
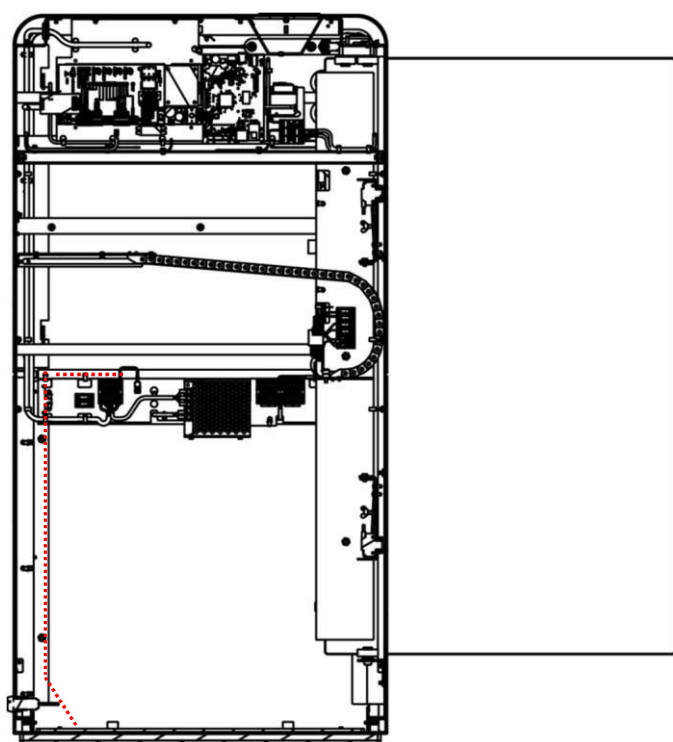
Connect brown cable (Live) to L1 socket
Connect blue cable (Neutral) to N socket Connect green/yellow cable (Earth) to ⏚ socket.

13. Connection of GateCOM/Crossover cable/Saloon Cable through MPB junction box

- Connect ground to socket marked 1.
- Connect signal to socket marked 2.
- Route the cable to the other gate via the floor chase and terminate at the opposing gates junction box using the same method
- This completes the loop between the main PCB boards and can now be tested using the test button on the main PCB board
- **Check operation of GateCOM** before connecting data cables using test switch on the SigmaGate main PCB
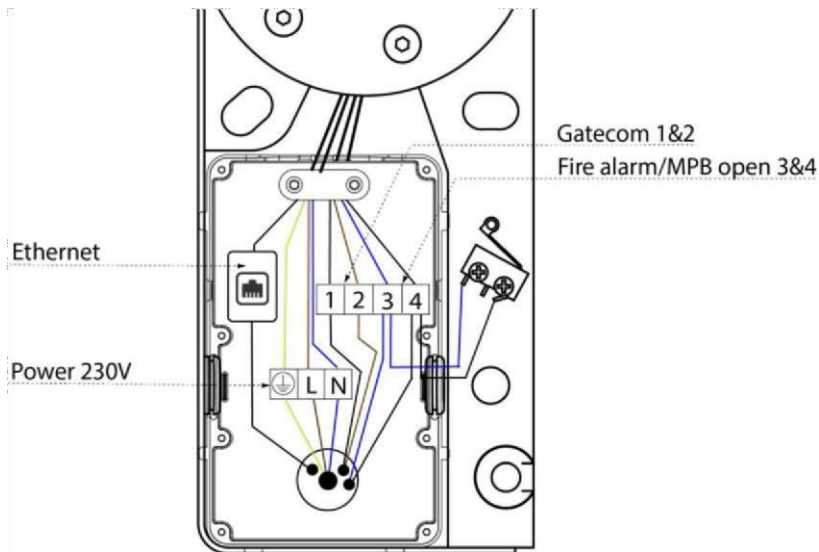
Example of the full connection that the above process creates.
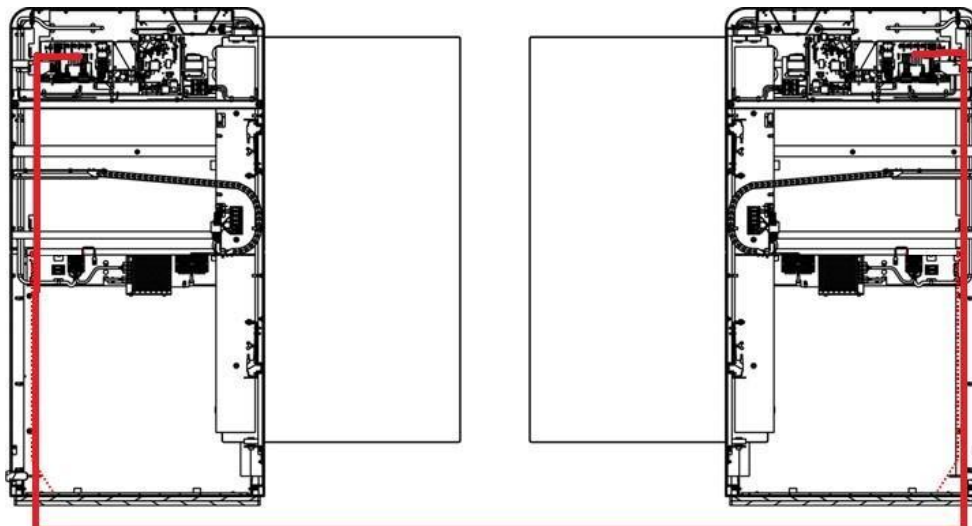
14. Connection of Ethernet

If the SigmaGate is equipped with a ScanMaster and is intended to be connected to the store POS system an Ethernet

cable (CAT5e or better) needs to be connected to the ScanMaster 2.0.

Data cable is to be run from comms cabinet directly to the ScanMaster board with no breaks in the cable. Tech must bypass the data cable in the MPB bracket at the base of the gate (see green dotted line below of how to rout the cable inside the gate)
Or
The data cable is connected to the RJ45 connector in the base plate (data cable with suitable protective sleeve or shroud). An additional cable has to go from the other RJ45 connector in the base plate up to the ScanMaster. (See the green dotted line below which is the data cable routing path)
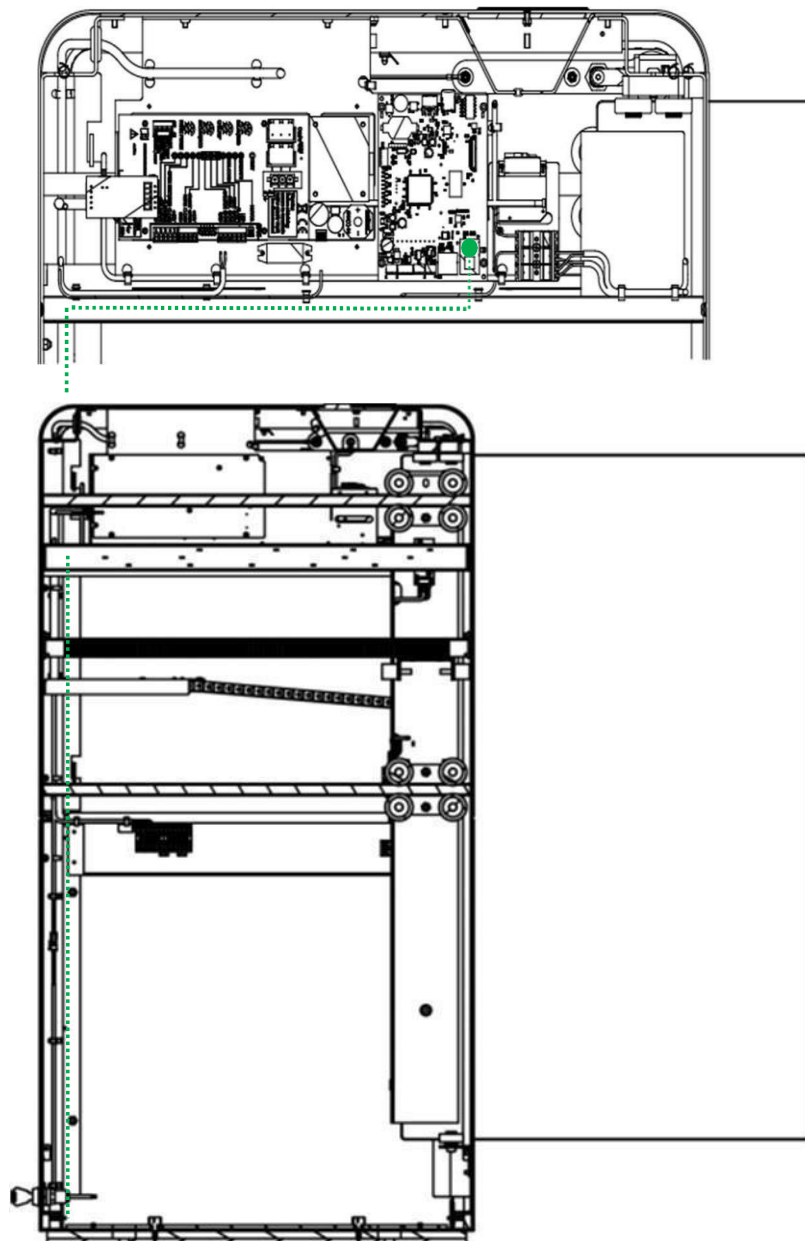
15. Adjustment of Gate PEC
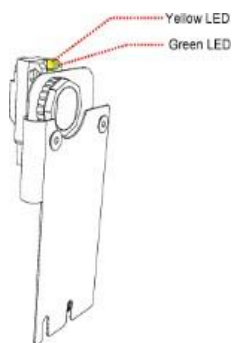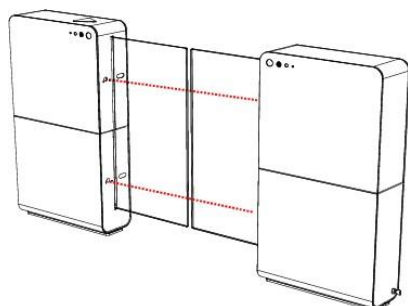
Make sure the two photoelectric cells (PEC) are pointing at the reflectors on the other gate.

Adjust by using 2mm Allen keys through holes next to PEC sensor on outside of gate.

Step 1
Turn Allen key all the way <u>LEFT</u> until yellow connection light turns off.

Step2
Turn Allen key all the way <u>RIGHT</u> until yellow connection light turns off, counting the amount of turns in between.

Step3
Wind Allen key back to mid position.
EG. If it takes 6 full turns from left position to right position, then turn back 3 full turns.

IMPORTANT NOTE:
This must be done in both vertical and horizontal directions.

Yellow LED
Green LED

PEC down

PEC up

Horizontal adjustment

Vertical adjustment
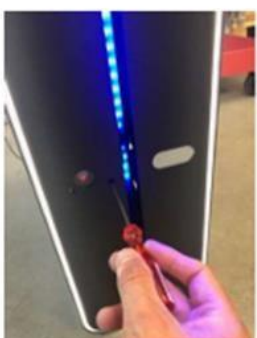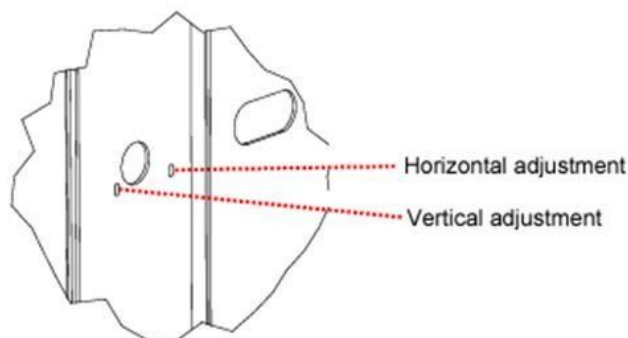
PEC to right

PEC to left

To adjust the PEC, use Allen key 2.5 mm.

16. Customer Facing Safety Radar installation

Needed for installation:
- Variety of screw drivers will be required for installation and configuring the safety radars.
- Cable ties
- Nipper

1. Find the SigmaGates and make sure you are installing the radars facing the customers as they are about to walk through the gates.
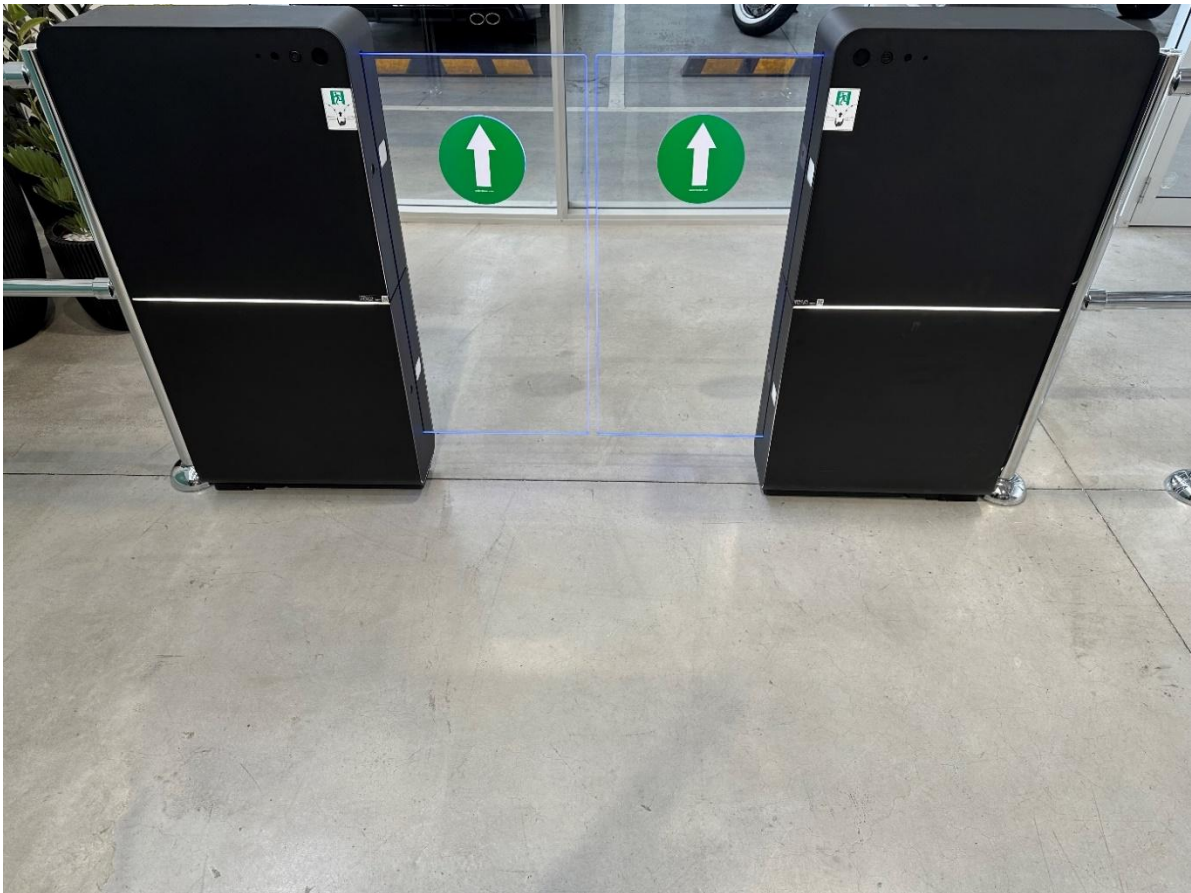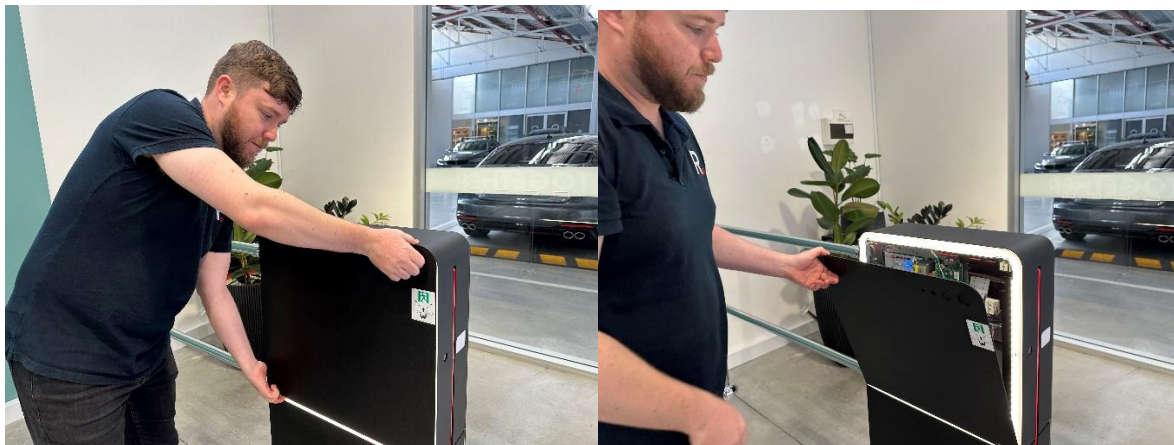
2. Open SigmaGates using the remote and the turn gate off by turning the key to the vertical position or cut the power to the gate.

3. Unlock Service hatch by using a flat head screwdriver to turn the lock into the vertical position.

4. Lift service hatch up and away from the SigmaGate.

5. Disconnect the earth cable from service hatch.

6. Disconnect the power to the gate sides.

    NOTE: Make sure you do not restart the ScanMaster or powering off and on the gate to often since this can damage the SD-card. Recommendation is to power off gates, leave them like that and power on again once installation is done and avoid restarting the ScanMaster using the button on the PCB.
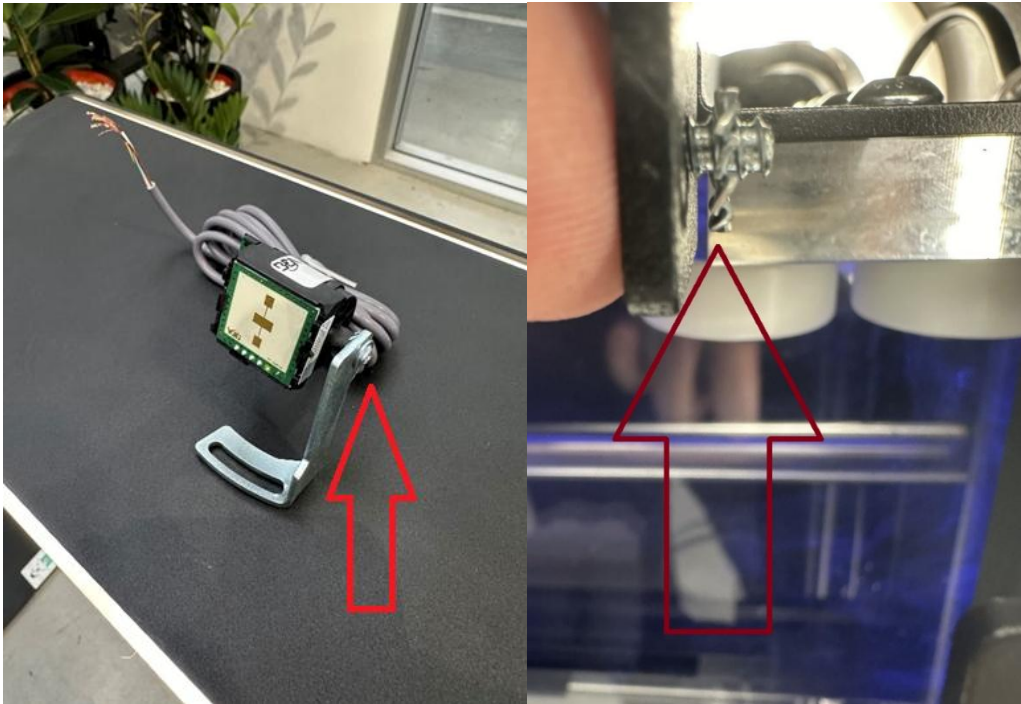
7. Remove the screw from the bracket and discard the bracket if supplied. Use the bracket screw and washer to mount the customer facing radar to in the corner of the SigmaGate with the washer between the mounting plate and radar THIS IS IMPORTANT! so that the radar does not slip after install.

8. It is also particularly important when tightening the screw that the radar is lilting downwards. This is to make sure that the radar picks up all customers.

+12v = Green wire
GND = Brown and Yellow wires
OPEN NEXT/ SCO CLOSE = White wire

9. Adjust the potentiometer on the side of the radar as shown in the image below left to set the detection range. The radars red LED will illuminate when a customer is detected as shown in the image below right.

> **Maximum sensitivity:** Potentiometer turned all the way clockwise.
> **Minimum sensitivity:** Potentiometer turned all way anticlockwise.

<u>NOTE: The tuning of the radar will be the same no matter if it got the dial on the right or left side of the radar.</u>
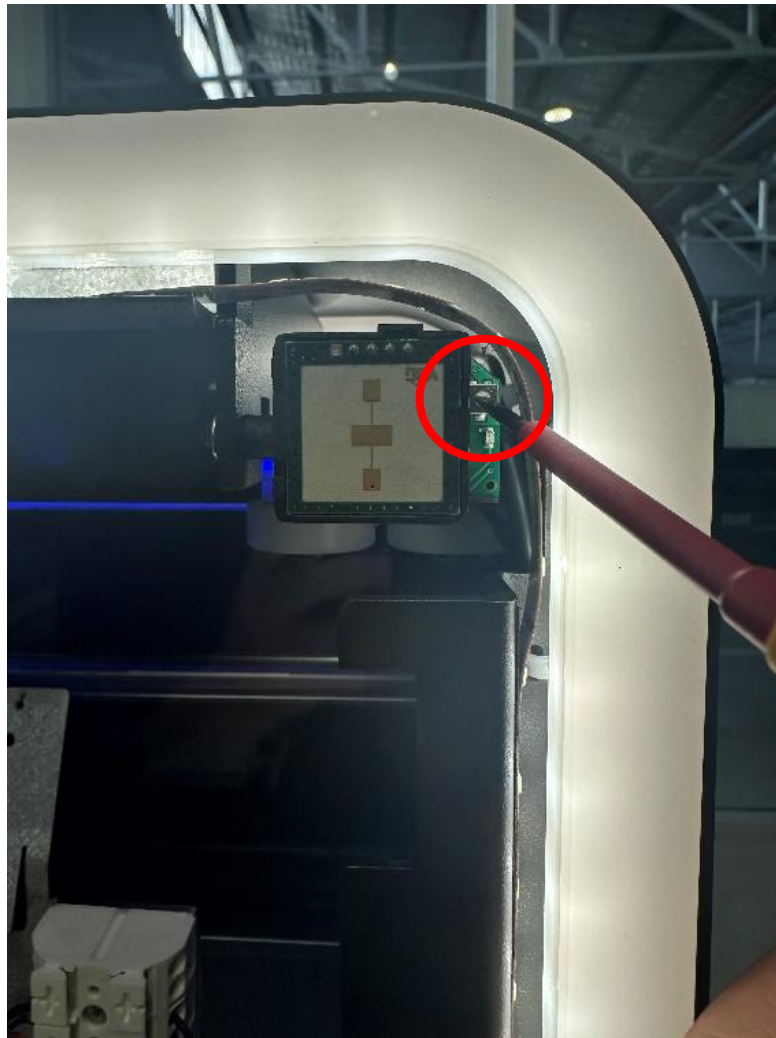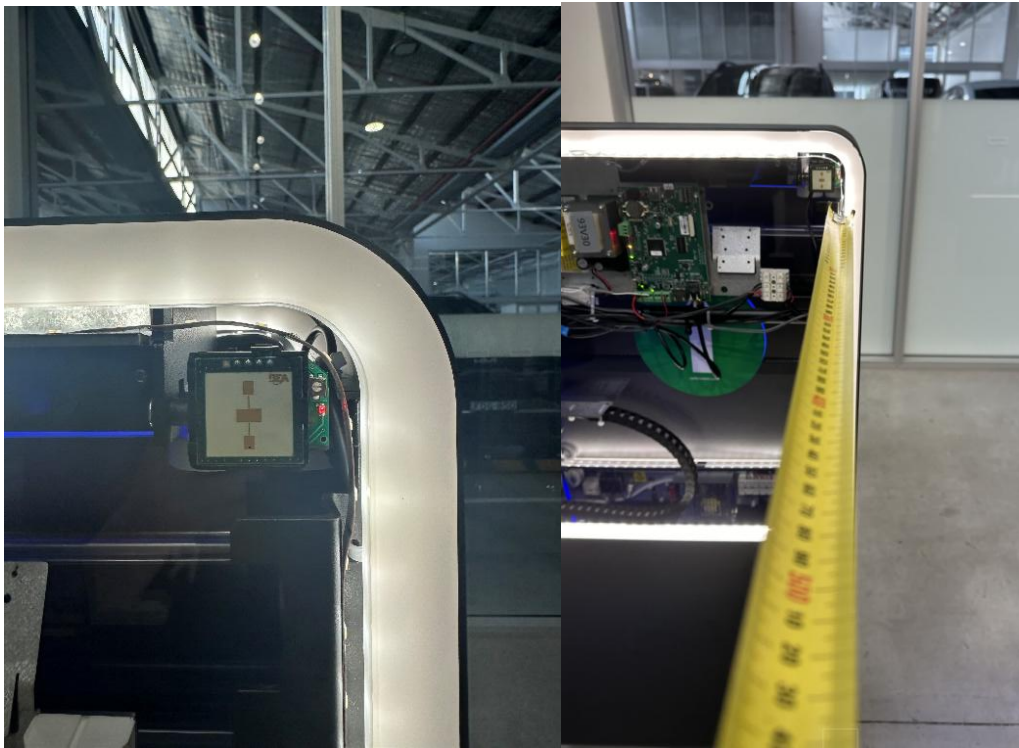
10. Set radar distance to **<u>600mm</u>** with the cover on using a measuring tape and the red LED indicator light to show that it is detecting customers. 600mm is the lowest sensitivity setting on the radar.

<u>NOTE: When evaluating the distance with the cover on the trigger distance will slightly decrease. Also make sure there is no checkouts opposite to the gate that might trigger the safety radars to trigger while closing.</u>

11. Close up the SigmaGate by doing the inverse of the opening procedure.

    -Place service hatch on gate
    -Connect earth cable
    -Close service hatch
    -Close lock by using a flat head screwdriver turning it into the horizontal position
    -Power up the gate again.
    -Return gate functionality by using the remote.

17. Adjustment of Glass Door

If the glass doors need to be adjusted an adjustment screw (Allen screw M3) located on the lower section of the glass door can be adjusted (marked in red).

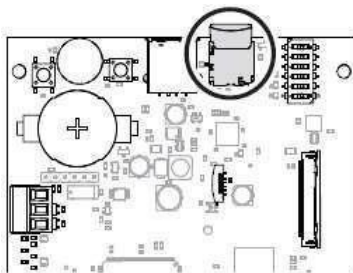Before adjustment, three M6 nuts need to be loosened (marked in green).
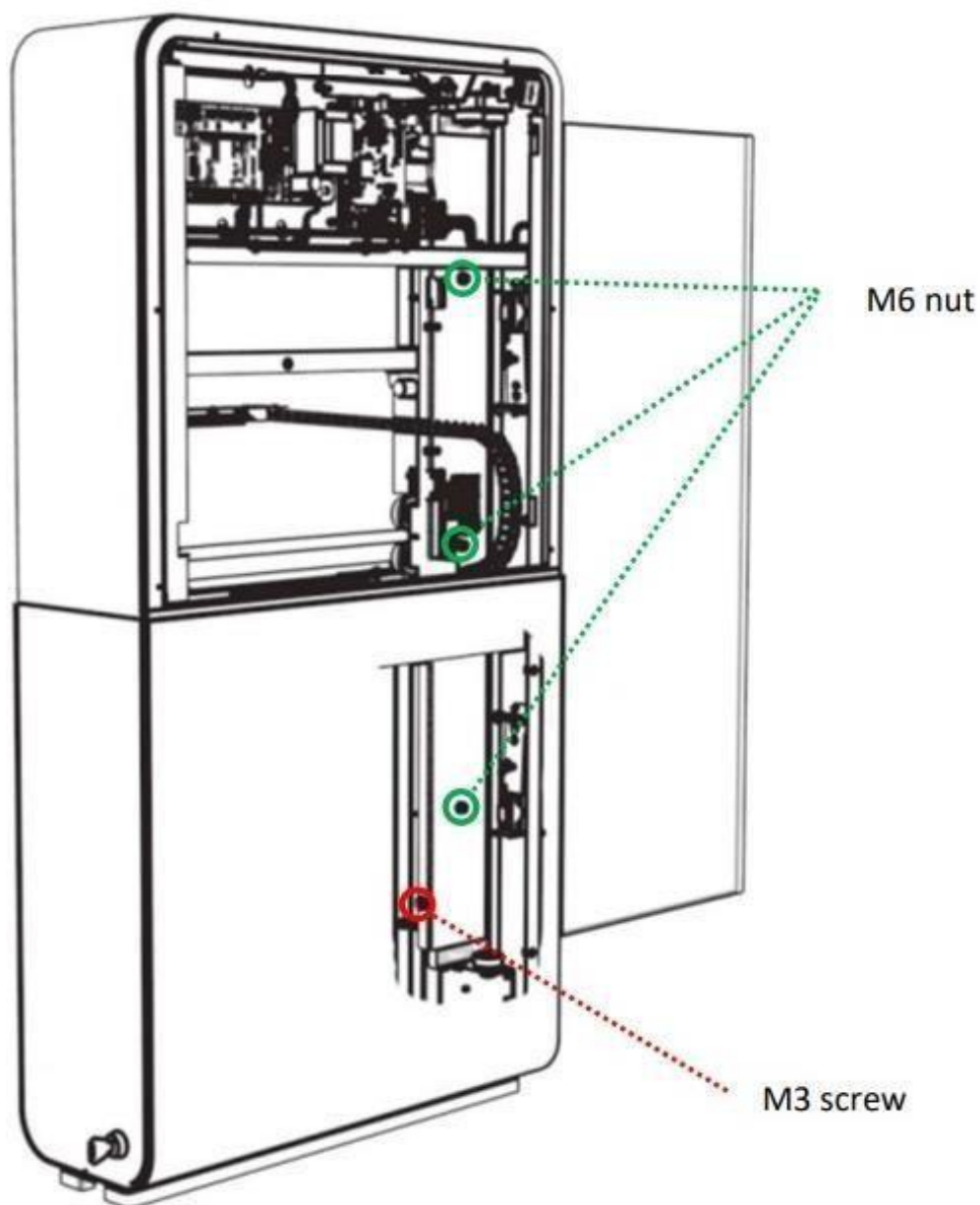
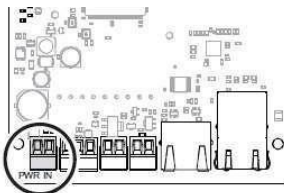**NOTE: After adjustment, make sure to tighten the M6 nuts.**

18. Configuration of ScanMaster 2.0
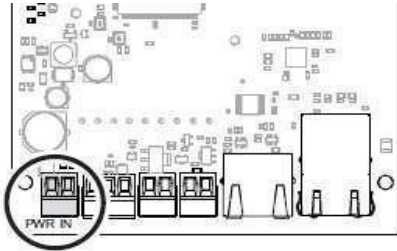
1   Disconnect the 12V power supply cable to cut the power.

2   Put the Micro SD card for specific gate to the ScanMaster board.
PLEASE CHECK THAT THE SD CARD IS THE CORRECT CARD FOR THE CORRECT GATE.
Check against floor plan and IT Tracker.

3   Connect the 12V power supply cable.

4   The ScanMaster board will now go through an initializing process (allow 90seconds). Once the initialization is complete the LEDs will blink green on LED number 1 and be solid red on LED number 10. LED number 5 will blink orange once when the gate receives a message from POS.

19. Master & Slave Dip Switch Settings

The purpose of the Master and Slave function is to make it easier to set the timer functions on the main board.

In a saloon configuration the right-hand gate (in the direction of the customers' travel) is ALWAYS the Master.

LEFT GATE

1. ALARM = Right
2. LEFT/RIGHT = Left
3. ALARM 5/10s = Left
4. NORMAL/SCO = Right
5. WRONG WAY = Left
6. N/A = Left

RIGHT GATE

1. ALARM = Right
2. LEFT/RIGHT = Right
3. ALARM 5/10s = Left
4. NORMAL/SCO = Right
5. WRONG WAY = Left
6. N/A = Left

20. Master & Slave Potentiometer settings

1.

DELAY: This sets the amount of time the gates will stay open after a customer has left through the gates and broken the PEC sensor beam. Range 0-8 seconds.

Note: This timer will override the securetimer.

2.

WRONG WAY: This timer is used to detect movement through the gates in the wrong direction. Please set to full right to avoid picking up a customer's swinging arm. Range 0.1-2 seconds

3.

SECURE: This timer will keep the gates open until the customer has passed through the gates. Once the customers pass through the gates this timer gets override by the DELAY timer. Range 0-30 seconds

4.

PANIC FORCE: This dial sets the force required to slide the glass arm back into the body of the SigmaGate

LEFT GATE
1. Set DELAY, WRONG WAY, SECURE on the left-hand gate to maximum/clockwise. (100%)
2. Set PANIC FORCE to minimum/anticlockwise (0%)

RIGHT GATE
1. Set DELAY to halfway. (50%) (4 seconds)
2. Set WRONG WAY to maximum/ fully clockwise. (100%) (2 Seconds)
3. Set SECURE to halfway. (50%) (15 Seconds)
4. Set PANIC FORCE to minimum/ fully anticlockwise. (0%)

Hint = turn all the way left (0%) then all the way right (100%) to work out where 50% is.

Note: For the Master and Slave function to be operational the gate configuration must be connected with GateCOM crossover cable (Saloon) to the opposing gate *See page 14.

## 21. Check the gate timing using the ScanMaster board
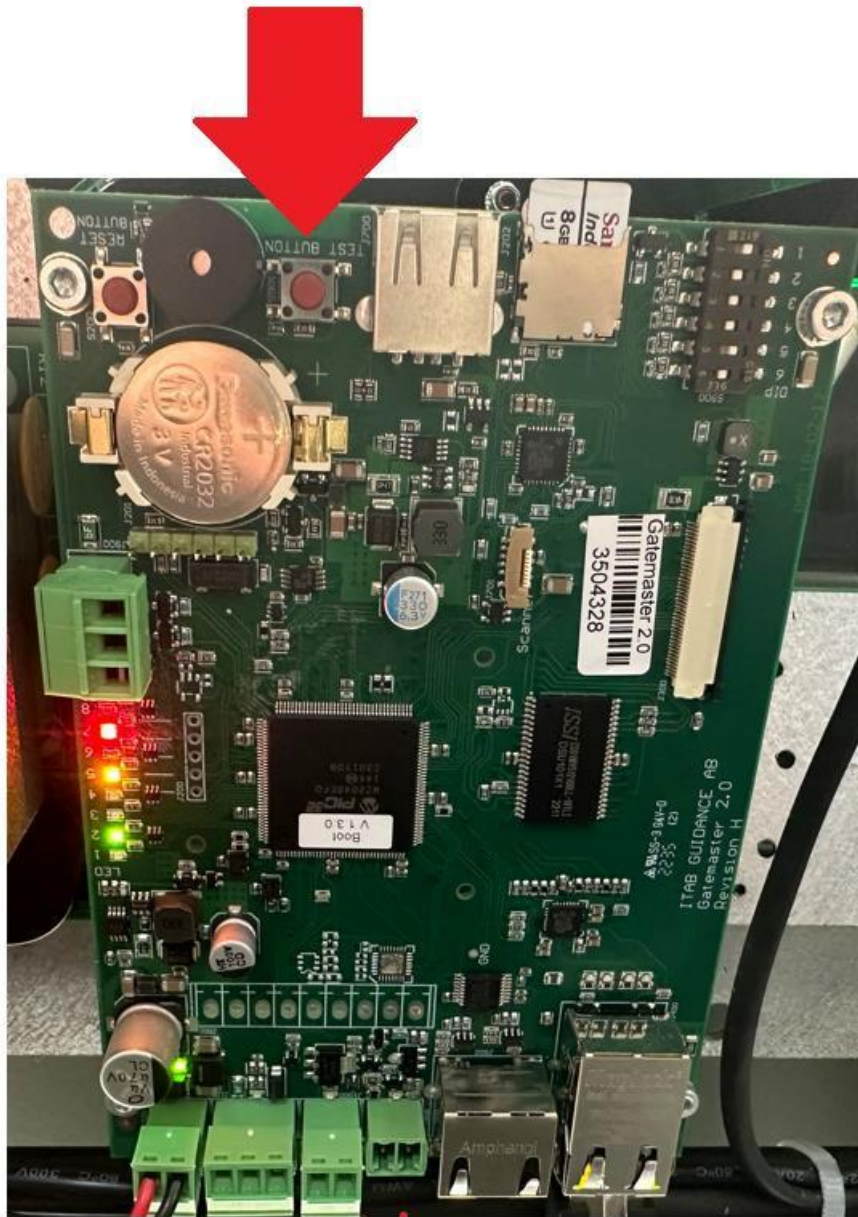
Use the test button on the ScanMaster to trigger the gate. This will send an open gate signal to help check the timing of the gate. Please note that this will only trigger the gate and start the Secure timer until the PEC sensor is broken.

Hint: Use your hand to break the PEC beam to start the DELAY timer.

22. Setting Glass LED to Woolworths Green

The LED on the glass door should be set to Green by opening the gate and removing the LED chip from the LED connector on the main PCB board. Here you will have to remove the blue cable from pin 2 and use a small wire to bridge pins 2 and 4. This will make the glass glow Woolworths green whilst static and during opening. The gate will flash red whilst closing and while in al
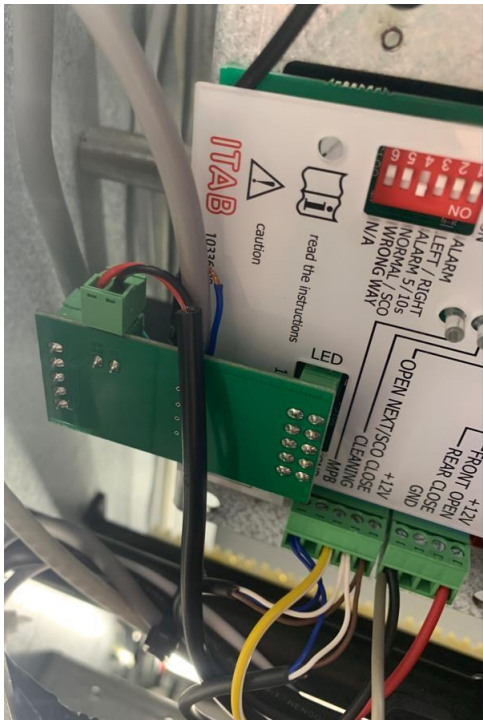
23. Remote Installation (Gen 3 Remotes) One Gate triggered by the remote controls

The following instructions will explain how to install a remote receiver inside a Sigma gate and how to set up the remote's functions if there is only <u>one gate</u> in the store controlled by the remote controls.

NOTE: If the store has 2 gates that will be controlled by the same remote controls, go to chapter "Remote Installation (Gen 3 Remotes) 2 Gates triggered by one remote control" on page 36 in this manual.

Button 1 - will be programmed to activate **'Auto Close'** on Gate 1**.**
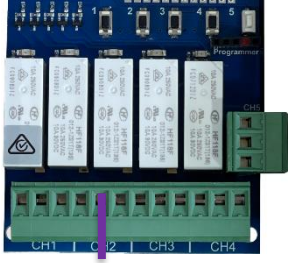**Button 2** - will be programmed to activate **'Cleaning Mode (permanent open mode)'** on Gate 1.
Button 3 – will not be used.
Button 4 – will not be used.

<u>Note: The remote-control receiver must be installed on the same gate side as the ScanMaster or the latched/cleaning signal will not be detected by the ScanMaster.</u>

1. Wire the Receiver to Sigma Gate Control Board

Receiver		Sigma Gate Control Board
Supply +		12V
Supply –		Ground
Ch1 NO		Front Open
Ch1 C		Ground

Ch2 NO		Cleaning
Ch2 C		Ground

Connecting Power

1. Open the Sigma gate panel.
2. Connect **Supply +** to **12v** on the Sigma control board.
3. Connect **Supply -** to **Ground** on the Sigma control board.

Relay 1 (Auto-Close)

1. Connect **Ch1 NO** to **Front Open** on the Sigma control board.
2. Connect **Ch1 C** to **Ground** on the Sigma control board.

Relay 2 (Latched/Cleaning Mode)

1. Connect **Ch2 NO** to **Cleaning** on the Sigma control board.
2. Connect **Ch2 C** to **Ground** on the Sigma control board.
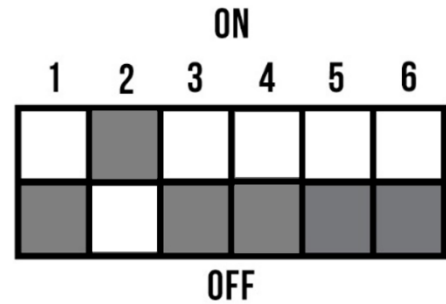
2. Mount the receiver

1. Mount the receiver using the mounting screw holes circled in red inside the gate.

Note: The remote-control receiver must be installed on the same gate side as the ScanMaster or the latched/cleaning signal will not be detected by the ScanMaster.
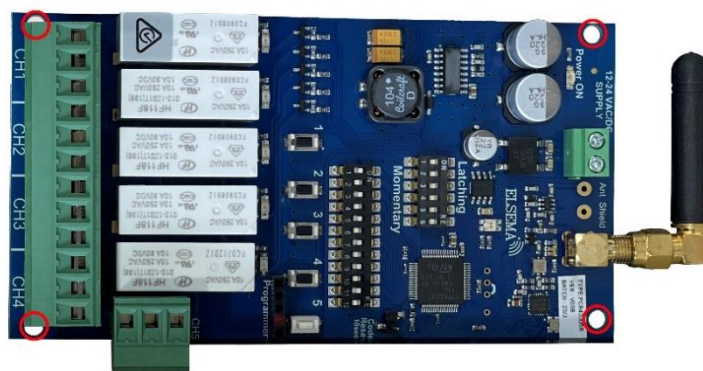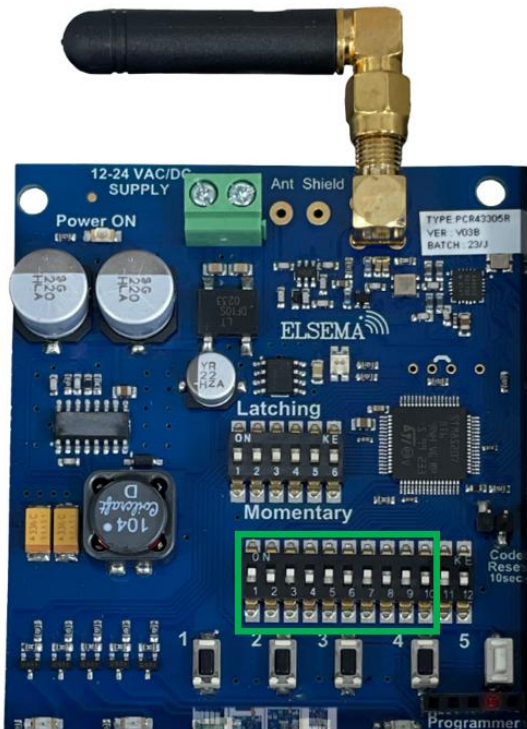
3. Set the DIP Switches & Pair Remotes

1. Change Mode Selection on 6 DIP switches (outlined in red below) to OFF ON OFF OFF OFF OFF or Down Up Down Down Down Down.
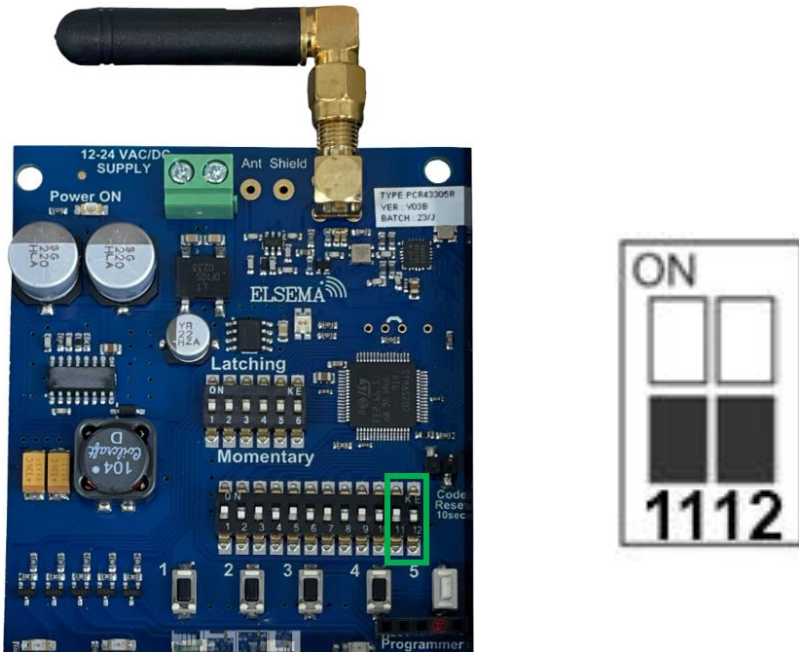

2. On the receiver, set switches 1-10 (outlined in green below) to match the store number using the examples in the table below. As an example, if the store has a number 8 in the store number set DIP switch 8 to the ON/Up position and ignore any zeros in the store number. If the store has the same number more than once like 8888 only switch 8 must be set to ON/Up and rest will be OFF/Down.

Store #	DIP Switches 1-10
0043	
0333	
3571	
3344	
1364	

3. On the receiver, always set DIP switches <u>11 & 12 to OFF/Down</u> as shown below.

4. On all remote controls, set DIP switches 1-10 to match the receiver/store code and set DIP switch <u>11 to OFF/Down</u> and <u>12 to OFF/Down</u>.

5. Lastly, insert the battery and test the functions.

24. Remote Installation (Gen 3 Remotes) Two Gates triggered by the remote controls

The following instructions will explain how to install a remote receiver inside a Sigma gate and how to set up the remote's functions if there are only two gates in the store controlled by the remote controls.

Button 1 - will be programmed to activate **'Auto Close'** on Gate 1.
Button 2 - will be programmed to activate **'Cleaning Mode (permanent open mode)'** on Gate 1.
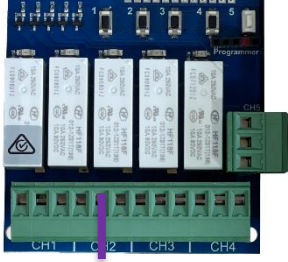**Button 3** - will be programmed to activate **'Auto Close'** on Gate 2.
Button 4 - will be programmed to activate **'Cleaning Mode (permanent open mode)'** on Gate 2.

Note: The remote-control receivers must be installed on the same gate side as the ScanMaster, or the latched/cleaning signal will not be detected by the ScanMaster. (Needs to be done at both Gate 1 and 2)

1. Wire the Receivers to the two Sigma Gates Control Board

GATE1

Receiver	Sigma Gate Control Board
Supply +	12V
Supply –	Ground
Ch1 NO	Front Open
Ch1 C	Ground

Ch2 NO		# Cleaning
Ch2 C		# Ground

Connecting Power

1. Open the Sigma gate panel.
2. Connect **Supply +** to **12v** on the Sigma control board.
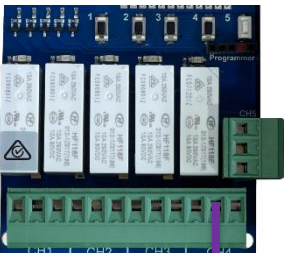3. Connect **Supply -** to **Ground** on the Sigma control board.

Relay 1 (Auto-Close)

1. Connect **Ch1 NO** to **Front Open** on the Sigma control board.
2. Connect **Ch1 C** to **Ground** on the Sigma control board.

Relay 2 (Latched/Cleaning Mode)

1. Connect **Ch2 NO** to **Cleaning** on the Sigma control board.
2. Connect **Ch2 C** to **Ground** on the Sigma control board.

GATE2

Receiver	Sigma Gate Control Board
Supply +	12V
Supply –	Ground
Ch3 NO	Front Open
Ch3 C	Ground
Ch4 NO	Cleaning
Ch4 C	Ground

Connecting Power

1. Open the Sigma gate panel.
2. Connect **Supply +** to **12v** on the Sigma control board.
3. Connect **Supply -** to **Ground** on the Sigma control board.

Relay 3 (Auto-Close)

1. Connect **Ch3 NO** to **Front Open** on the Sigma control board.
2. Connect **Ch3 C** to **Ground** on the Sigma control board.

Relay 4 (Latched/Cleaning Mode)

1. Connect **Ch4 NO** to **Cleaning** on the Sigma control board.
2. Connect **Ch4 C** to **Ground** on the Sigma control board.

2. Mount the receivers

1. Mount the receivers using the mounting screw holes circled in red inside the two gates.

Note: The remote-control receiver must be installed on the same gate side as the ScanMaster, or the latched/cleaning signal will not be detected by the ScanMaster. (Needs to be done at both Gate 1 and 2)
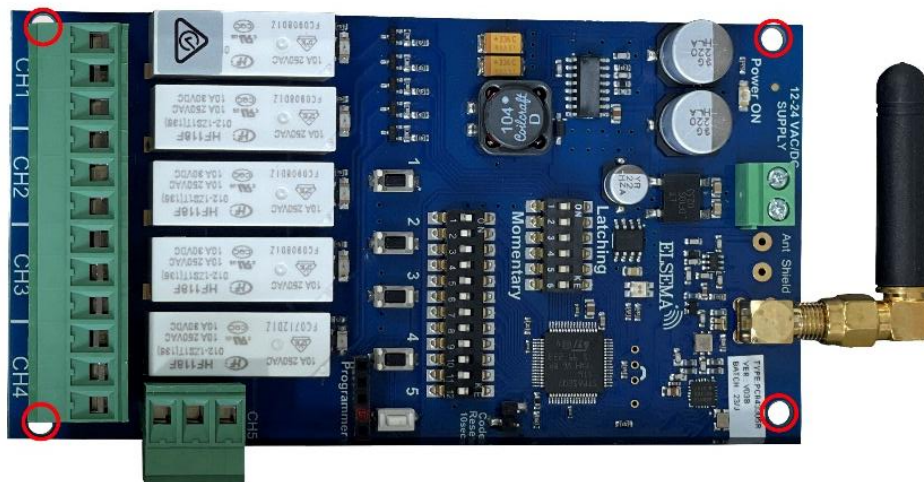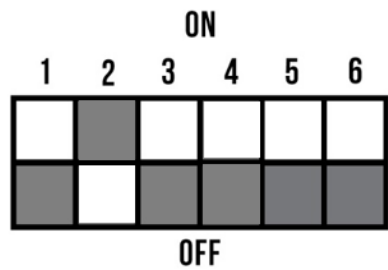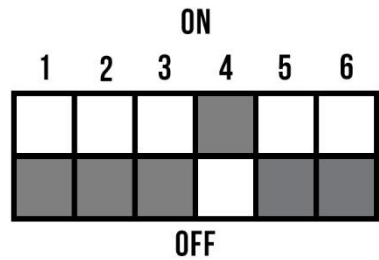
3. Set the DIP Switches & Pair Remotes

GATE1

- Change Mode Selection on 6 DIP switches (outlined in red below) to OFF ON OFF OFF OFF OFF or Down Up Down Down Down Down.
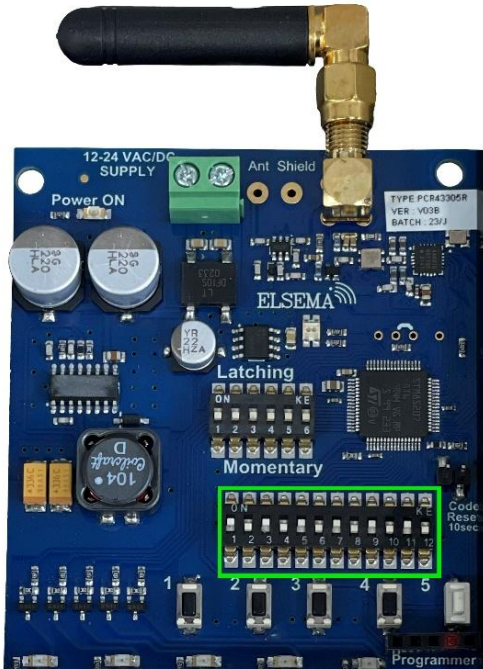

GATE2

- Change Mode Selection on 6 DIP switches (outlined in red below) to OFF OFF OFF ON OFF OFF or Down Down Down Up Down Down.
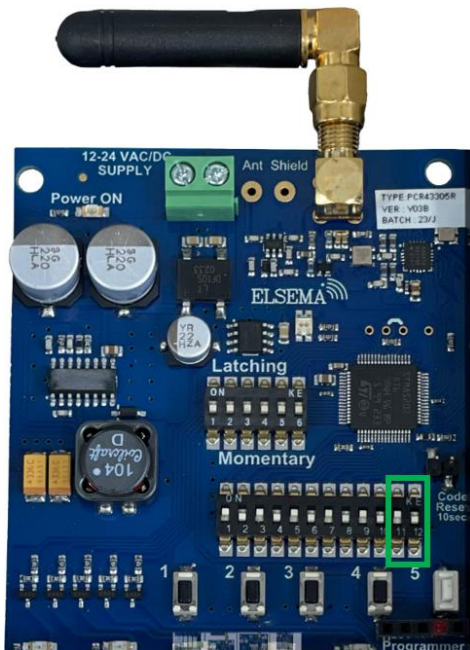
1. On the receiver, set switches 1-10 (outlined in green below) to match the store number using the examples in the table below. As an example, if the store has a number 8 in the store number set DIP switch 8 to the ON/Up position and ignore any zeros in the store number. If the store has the same number more than once like 8888 only switch 8 must be set to ON/Up and rest will be OFF/Down.

Store #	DIP Switches 1-10
0043	
0333	
3571	
3344	
1364	

2. On both receivers, always set DIP switches 11 & 12 to OFF/Down as shown below.

3. On all remote controls, set DIP switches 1-10 to match the receiver/store code and set DIP switch <u>11 to OFF/Down</u> and <u>12 to OFF/Down</u>.

4. Lastly, insert the battery and test the functions.

25. Remote monitoring cable

The purpose of the remote monitoring cable is to help the Sesame 2 software to monitor the use of the remote control for statistical purposes.

Please link two signal cables between cleaning and GND on the Gate control board and the middle port and the right port on the 3-pin connector on the ScanMaster 2.0 control board as shown below.

Note: The remote-control receiver must be installed on the same gate side as the ScanMaster or the latched/cleaning signal will not be detected by the ScanMaster.
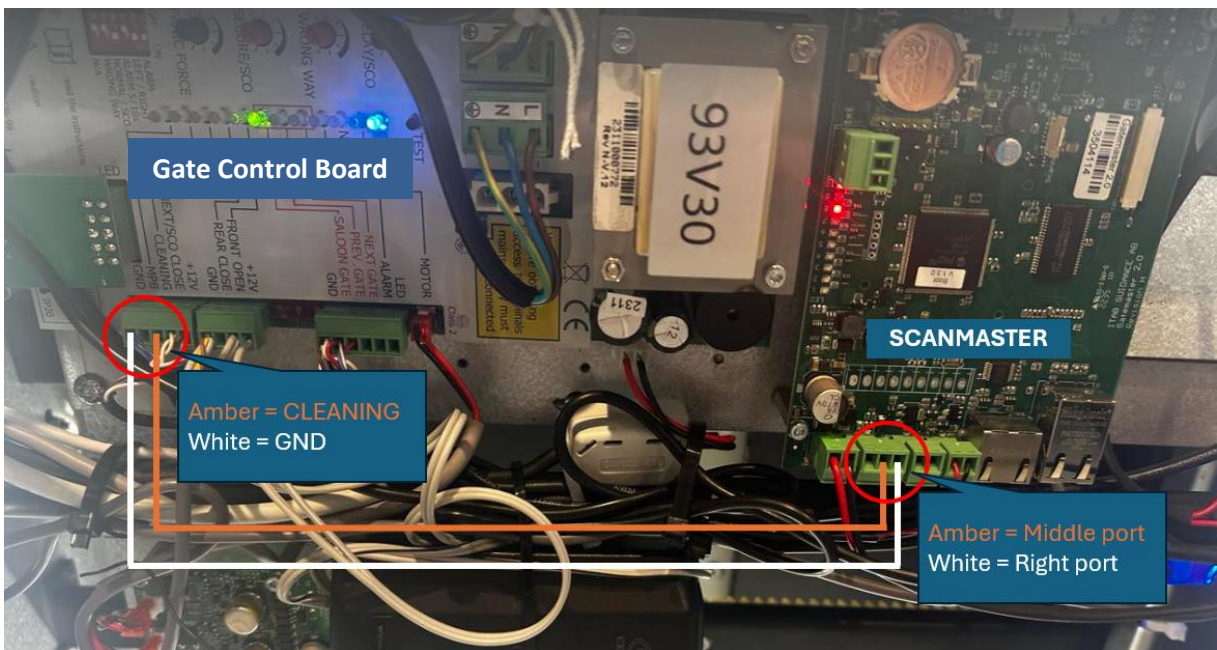
After connecting the signal cables between the ScanMaster and the Gate control board you need to verify that the ScanMaster board is picking up the latched/cleaning signal from the receiver/Gate control board. To do that you will first have to activate the latched/cleaning mode using one of the remotes. (Make sure the green LED light of the cleaning port is solid green on the GATE CONTROL BOARD. That means the latched/cleaning signal is active. To know if the ScanMaster is picking up this signal, check the small LED above the middle port connector where the cable from the cleaning port is going into.

The LED should be solid green when latched/cleaning mode is activated and off when latched/cleaning mode is deactivated.
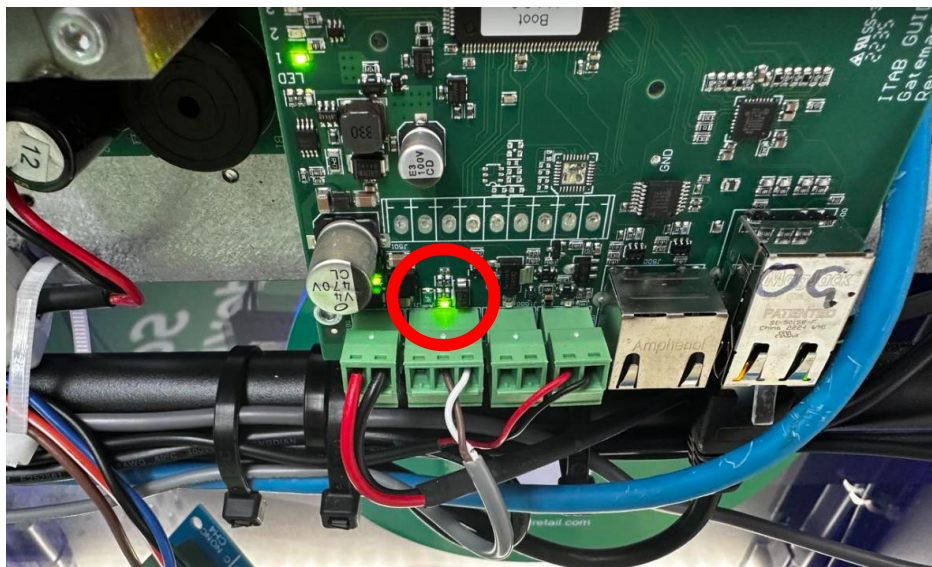
26. Commissioning sign-off checklist

Woolworths SigmaGate & Sesame 2 installation checklist & sign off document			
Complete the following check list when installation is complete:	**√**	**X**	**Manual**
	Yes	**No**	**Check**
Site manager to check that gates are fully operational by ticking the boxes and signing below:			**(Ref. item #)**
Pictures of the cables coming through the brackets measured at 1963mm.			Page 7
Picture of 6 Chemset threaded rods (m10) through the bracket.			Page 11
Picture of Chemset filled bolt holes in gate brackets.			Page 11
Picture of earth, power and neutral connected to terminal in middle of gate.			Page 13
Pictures of 2core cross over cable connected to gate terminal in middle of gate and then connected to GND and saloon on gate control board with saloon LED illuminated.			Page 14
Picture of Ethernet connection into ScanMaster on master gate (right when you exit through the gate).			Page 15
Picture of gate PEC sensors are aligned. picture of both lights on (4 sensors per gate set) (2.5mm Allen key).			Page 16
Video of the customer facing radars being triggered while gates are closing from 600mm distance from the gate.			Page 17
Picture of ScanMaster SD card installed into ScanMaster.			Page 25
Picture of dipswitch settings on gate control board.			Page 26
Video of gates closing behind customers after 4 seconds.			Page 27
Video of gates being open when triggered for 15 seconds.			Page 27
Video of gates displaying Woolworths colour scheme. Solid green when closed, flashing Red whilst opening/closing and flashing Red for alarming.			Page 29
Video showing button 1 triggering auto-close and button 2 triggering latched/cleaning mode on the remotes. (Gate1)			Page 30
If there is a second gate in the zone, video showing button 3 triggering auto-close and button 4 triggering latched/cleaning mode on the remotes.			Page 36
Picture of remote monitoring cable connected to the gate control board and with the remote-control receiver connected to the same gate control board. (For all gates if multiple)			Page 41
Video of the small green LED light of the ScanMaster being solid green while the remote control triggered the gate to latched/cleaning mode. (For all gates if multiple)			Page 41
Picture of gate body clear of debris (no excess cables, no cable ties etc.).			N/A
Fluke test results.			N/A
Gates are to be left keyed off and remotes are to be handed to the store manager and declaration signed.			N/A
Follow up work required:			
Are you satisfied that the **finished** works are **compliant,** and the layout is suitable to perform its intended operations?			N/A
Are there groundwork fixings **follow up** required?			N/A
Are there any screws or rubber/plastic bungs needing **replacing**?			N/A
Are there any covers needing **replacement?**			N/A
Are there any **keys** needed to be **supplied** to the store?			N/A
Is there any equipment **left behind** for Woolworths perusal (if yes please was the store manager notified of location)?			N/A

27. Store manager declaration

Woolworths sign-off document
Store name:
Store address:
Store number:
Store manager's name:
Store manager's signature:
Date:
Contractor company name:
Technicians' name:
Technicians' signature:
Date:
Please make notes of any follow-up work required below

28. Troubleshooting Schedule

Please read through the following steps:

Gates do not open:
- Check that there is power to the gate.
- Check the motor key switch is turned ON.
- Check if the gates are being held open on the remote controls.
- Check that the data cable is plugged into the ScanMaster 2.0
- Check the connections of GateCOM cross over cable.

Gates do not close:
- Check that the motor key switch is turned ON.
- Check that CLEANING MODE is not activated by checking for illuminated LED on main PCB
- Check that the photoelectric cells are pointing directly at the corresponding reflector. See page 16 for adjustment of PEC.
- If the gates are equipped with Mechanical Panic Breakout, check that the gates are in normal position.
- If the problem is still not solved, switch off the mains power to the gate and turn it back on.

The gate alarm is activated:
- Check that the motor key switch is turned ON.
- Check that the photoelectric cells are pointing directly at the corresponding reflex. See page 16 for adjustment of PEC.

The gates do not behave as intended:
- Check the configuration of the gates concerning MASTER & SLAVE on page 27.
- Check that the photoelectric cells are pointing directly at the corresponding reflex.
- If problems continue, contact Radford Support.