

igloohrme

RM2 & RM2F

Product Design Document
Ver_0.2

Product Size:

Front: 178.51mm x 72.59mm x 23mm

Back: 197mm x 77mm x 40.2mm



Updated on 04/07/2023
Prepared by Sid Butalia
Industrial Designer

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Overview Design Concept



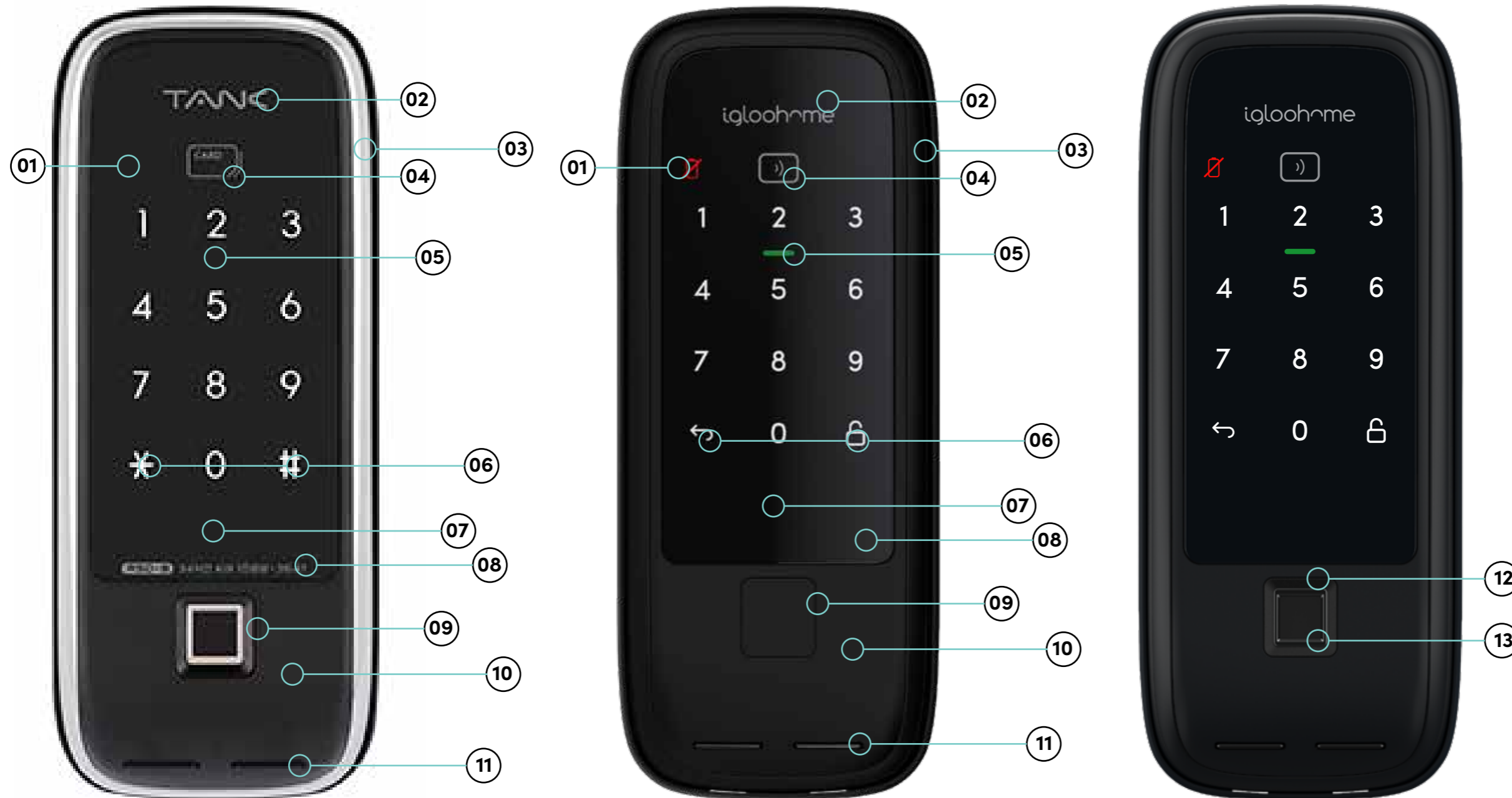
Front Body



Back Body

(Not to Scale)
Paper size: A3
Scale: N.A
Measurement Unit: mm

Front Body Design (Carry over from RW1)



PANTONE
BLACK 6C

RGB 16 24 32
HEX 101820
CMYK 100 61 32 96

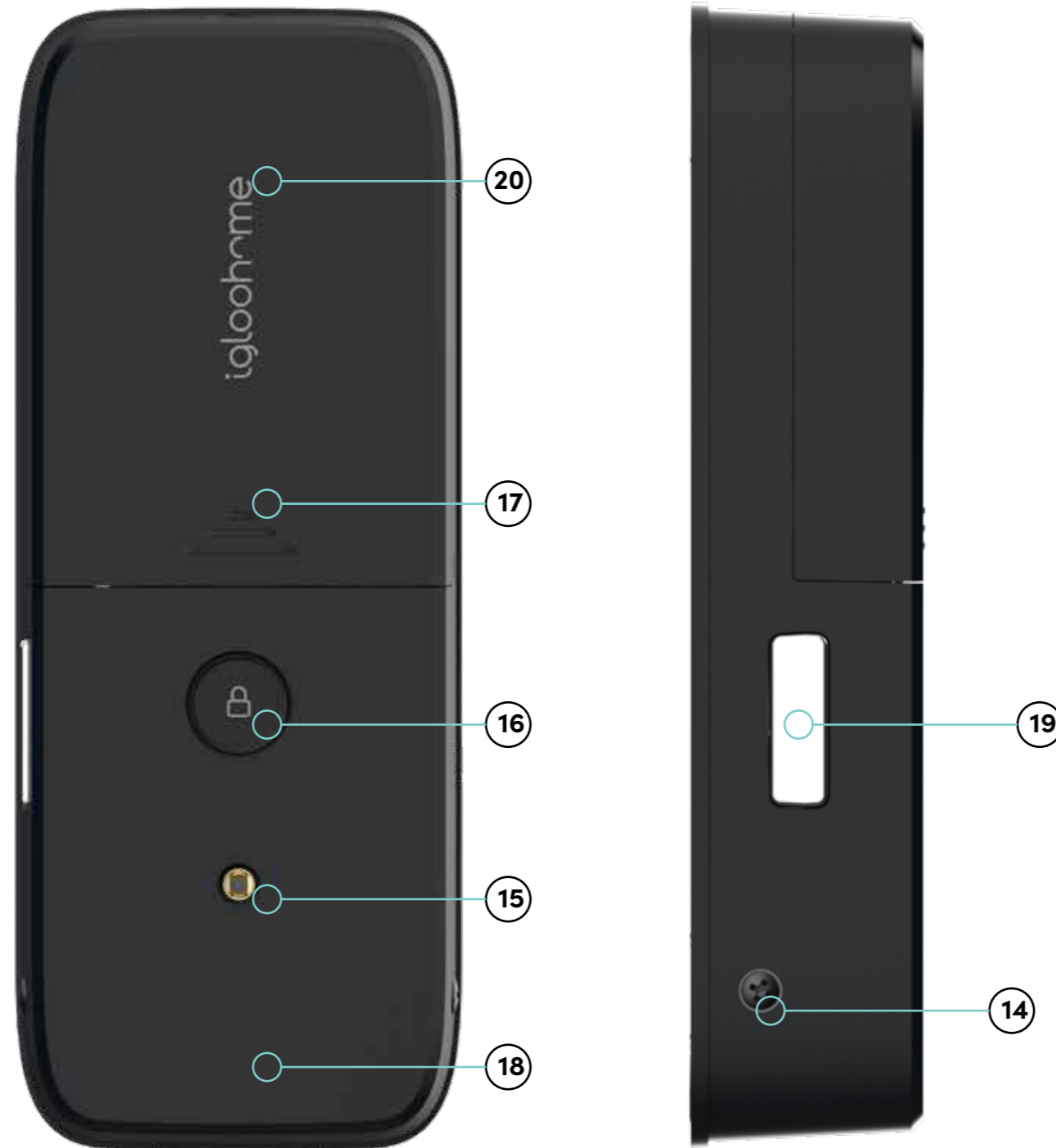
(Not to Scale)
Paper size: A3
Scale: N.A
Measurement Unit: mm

Changes for R50 to RW1/RM2/F

Front:

- 1_ Replace the battery icon
- 2_ Replace the tank logo to igloohome logo in Chrome Finishing.
- 3_ Change the chrome metal rim to Pantone Black 6C.
- 4_ Replace the RFID icons in Chrome Finishing.
- 5_ Add tri-color LED to the touch plate.
- 6_ Replace '#' and '*' buttons to back arrow and unlock icons respectively.
- 7_ Remove the keyhole on the touch plate.
- 8_ Remove the fine print of model number.
- 9_ Remove the Fingerprint sensor from the body case.
- 10_ Change the body to Pantone Black 6C.
- 11_ Remain no change.
- 12_ Fingerprint Chamfer: Pantone Black 6C, Rough Texture
- 13_ Fingerprint Bezel: Glossy Chrome

Back Body Design



Changes for RM2/F

Back:

14_ Change the screw color to Pantone Black 6C.

15_ Remove Keyhole fingerprint icons

16_ Change the Fingerprint sensor to multifunction button with Pantone Black 6C, Rough Texture & Addition of Icon Pantone Black 8C

17_ Change the Battery Cover to Pantone Black 6C and retain the matte texture

18_ Change the main body color to Pantone Black 6C and retain the matte texture

19_ Retain the Chrome finishing and color of the bolt

20_ Add the igloohome logo in Pantone Cool Gray 8C

PANTONE
BLACK 6C

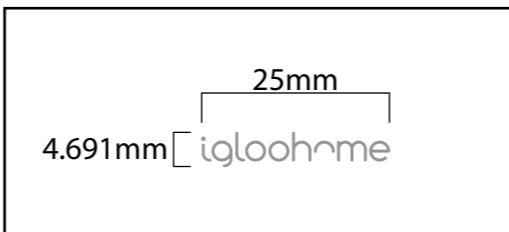
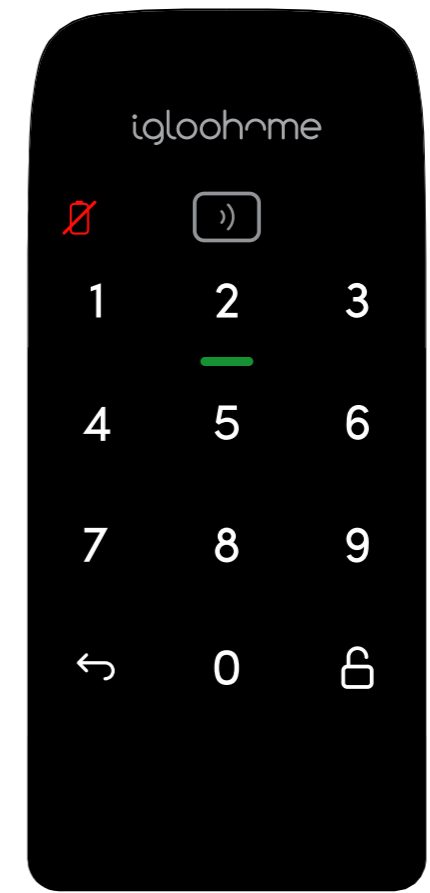
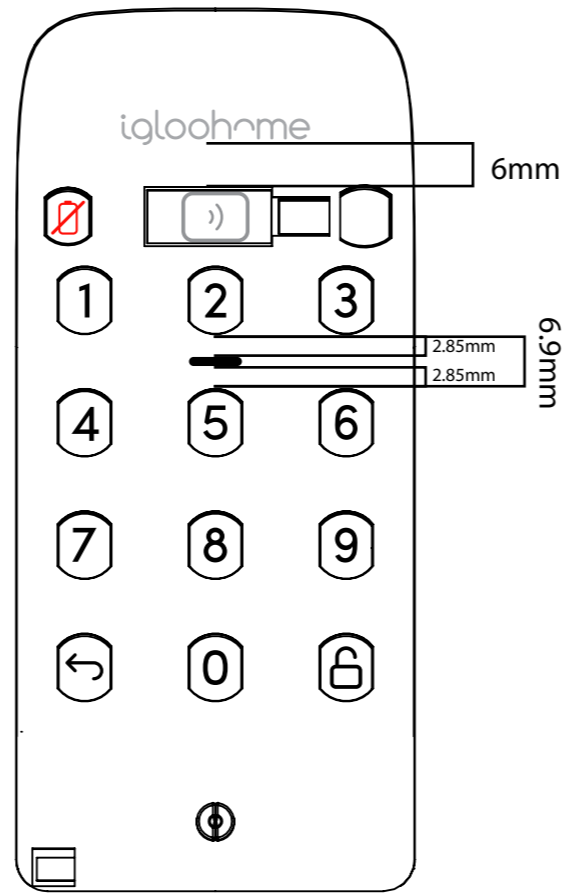
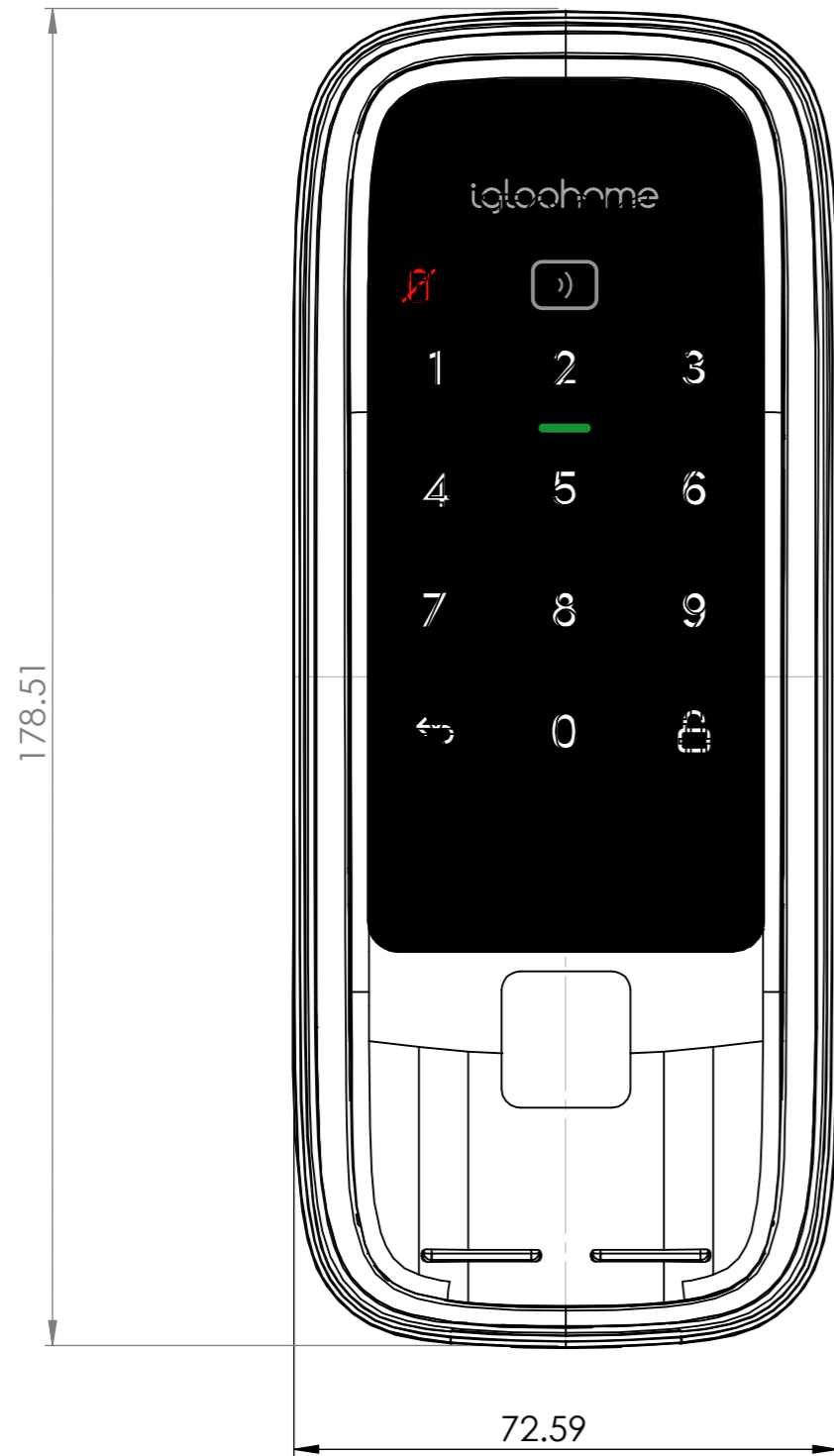
RGB 16 24 32
HEX 101820
CMYK 100 61 32 96

PANTONE
Cool Gray 8 U

RGB 147 149 152
HEX/HTML #939598
CMYK 20 11 12 32

(Not to Scale)
Paper size: A3
Scale: N.A
Measurement Unit: mm

Touchplate Design Graphics



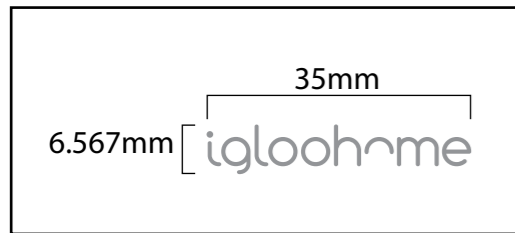
All Logo:
25mm X 4.691mm

PANTONE
Cool Gray 8 U

RGB 147 149 152
HEX/HTML #939598
CMYK 20 11 12 32

Paper size: A3
Scale: 1:1
Measurement Unit: mm

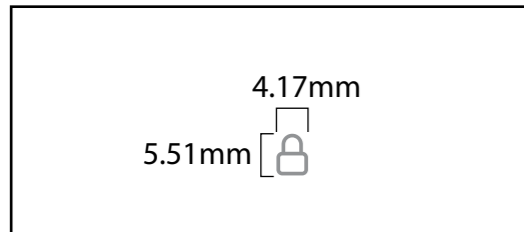
Back Body Graphics



PANTONE
Cool Gray 8 U

RGB 147 149 152
HEX/HTML #939598
CMYK 20 11 12 32

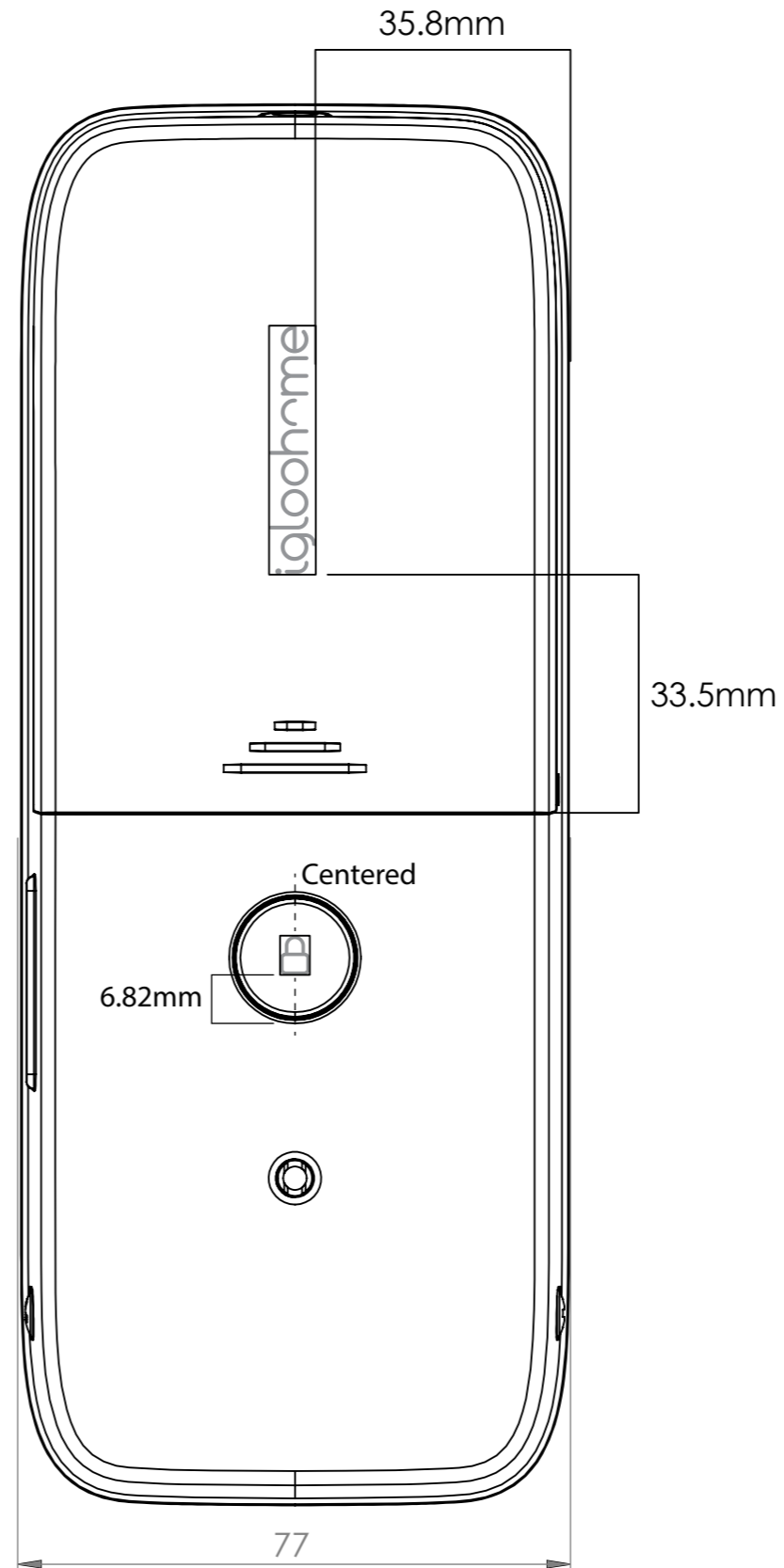
Company Logo:
35mm X 6.567mm



PANTONE
Cool Gray 8 U

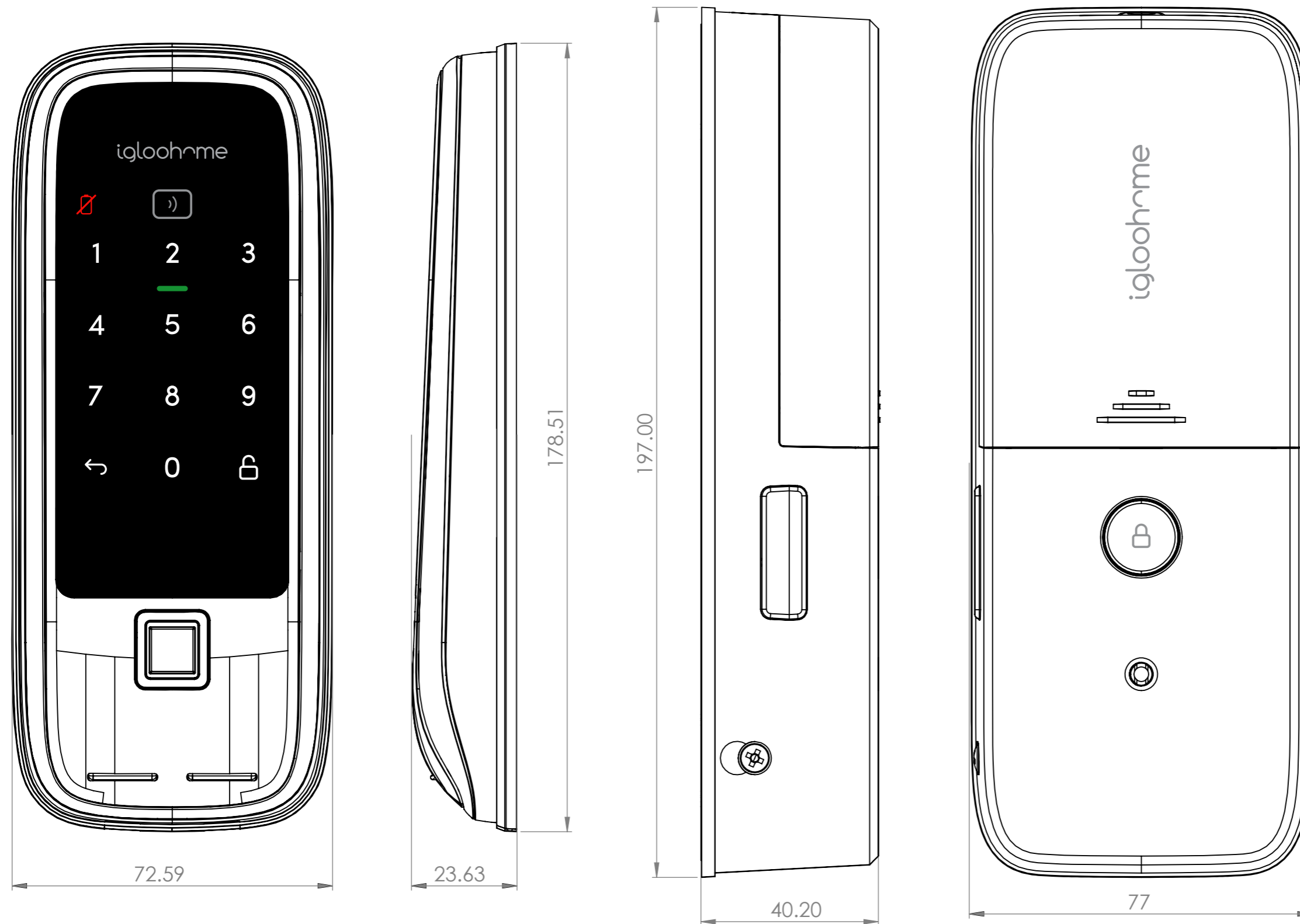
RGB 147 149 152
HEX/HTML #939598
CMYK 20 11 12 32

Button Logo:
4.17mm X 5.51mm



Paper size: A3
Scale: 1:1
Measurement Unit: mm

Technical Drawing Overview



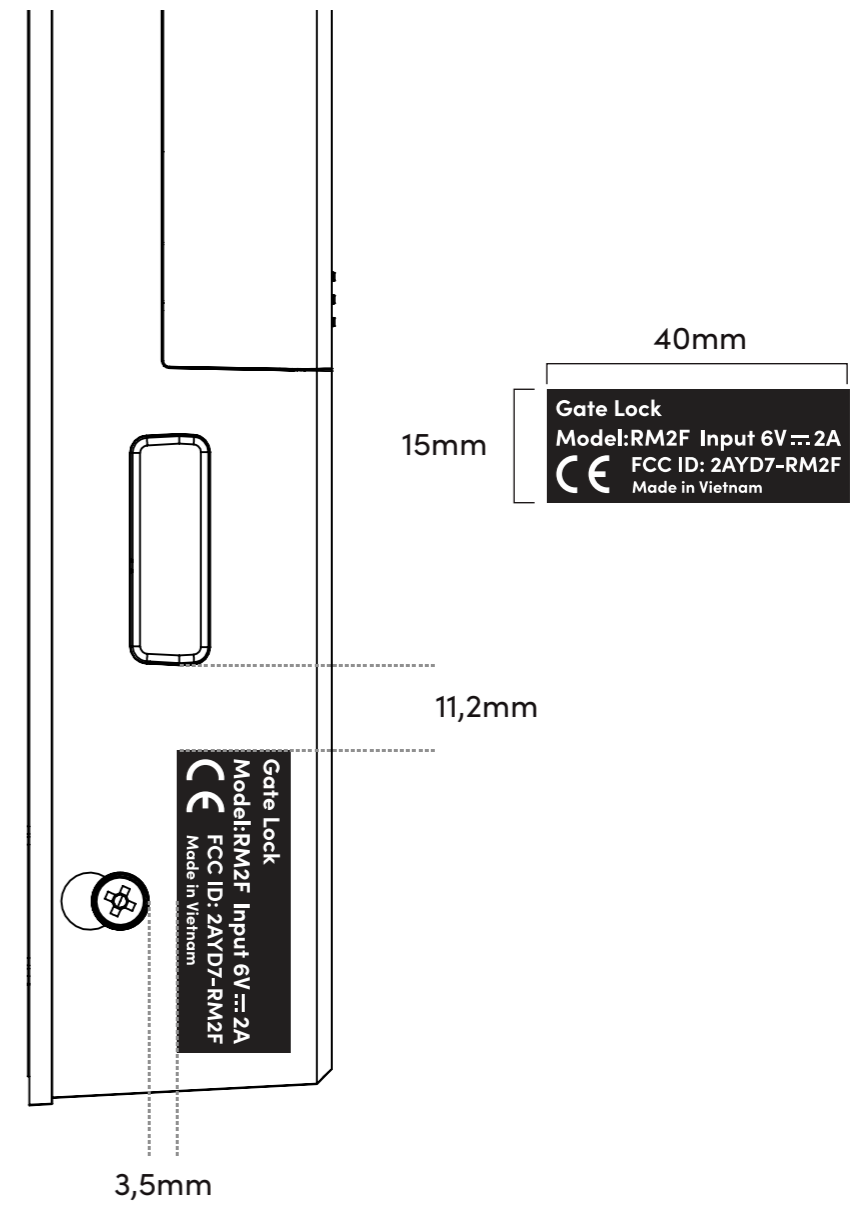
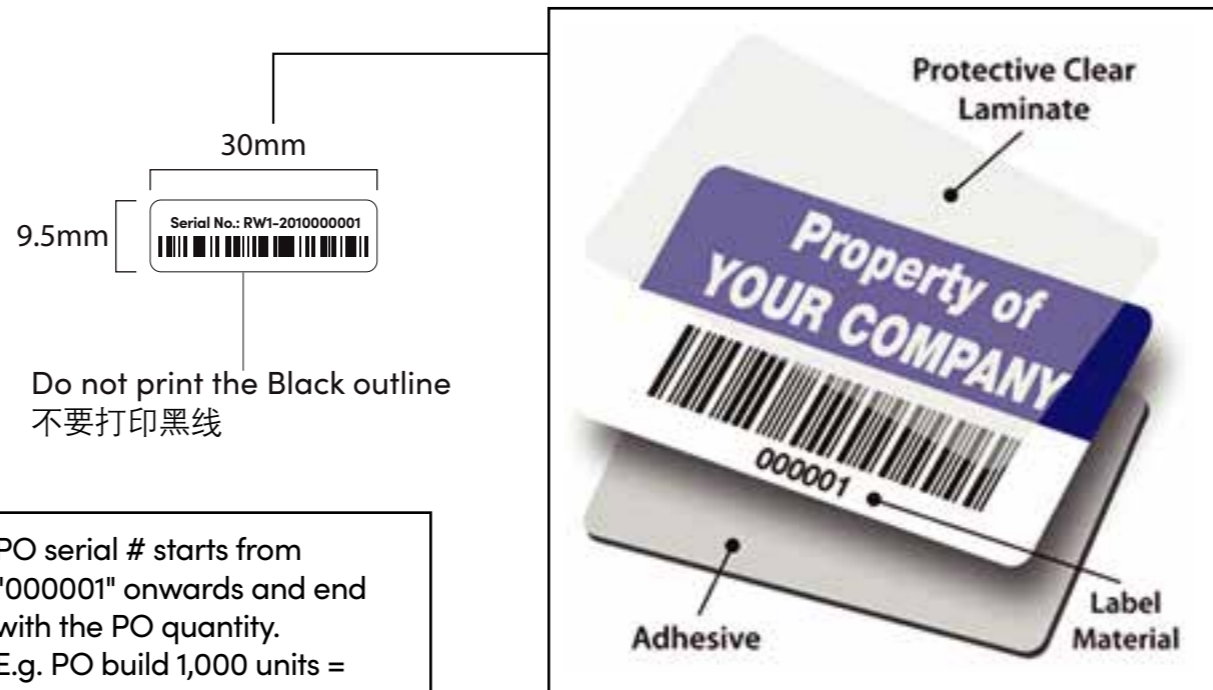
Paper size: A3
Scale: 1:1
Measurement Unit: mm

Serial Number Sticker Label Design

Serial Number sticker
Size: 30mm x 9.5mm

Font: Sofia Pro -Bold
VA: -25

- Serial number & barcode are sample for illustration purpose only.



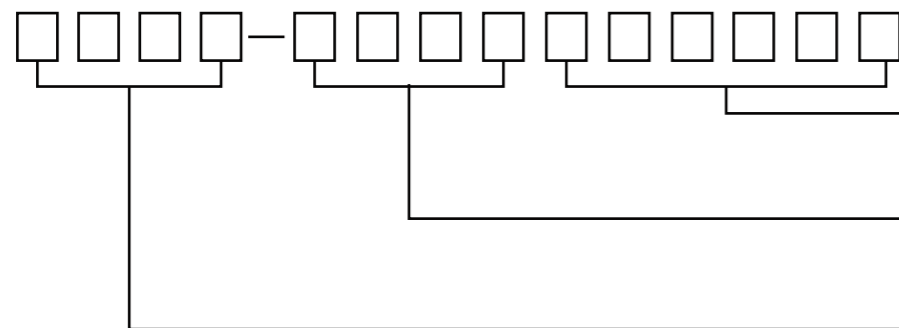
Example:

Serial No.: RW1-2101000001
Serial No.: RW1-2101000002
Serial No.: RW1-2101000003

PO serial # starts from "000001" onwards and end with the PO quantity.
E.g. PO build 1,000 units = 0000001 ~ 001000
For a new PO build, it will restart from "000001"

Serial Number:
SKU- YYBB running number (6digits)

Product Name



制造通与番号 (随机数)
Manufacturing Serial Number (Running number)

制造年 + 批此 (YYBB)
Production Year + Batch (YYBB)

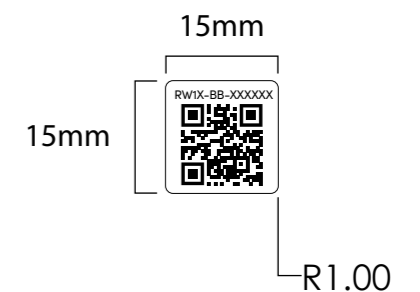
库存单位
Stock Keeping Unit (SKU) Number

Label Size: 15mm x 15mm

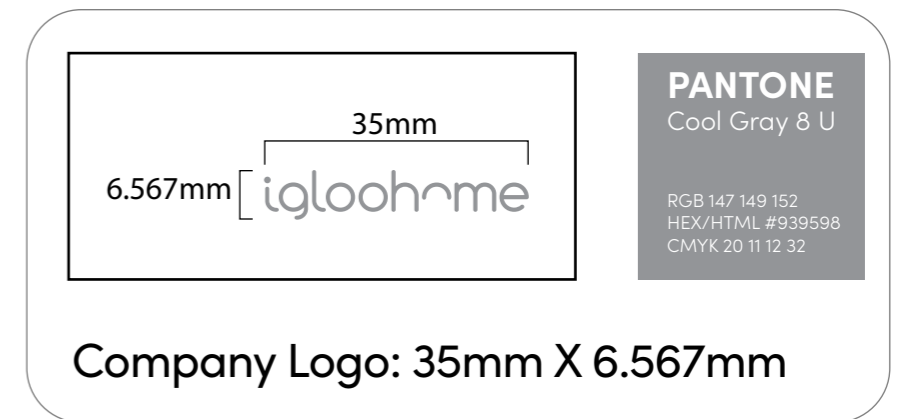
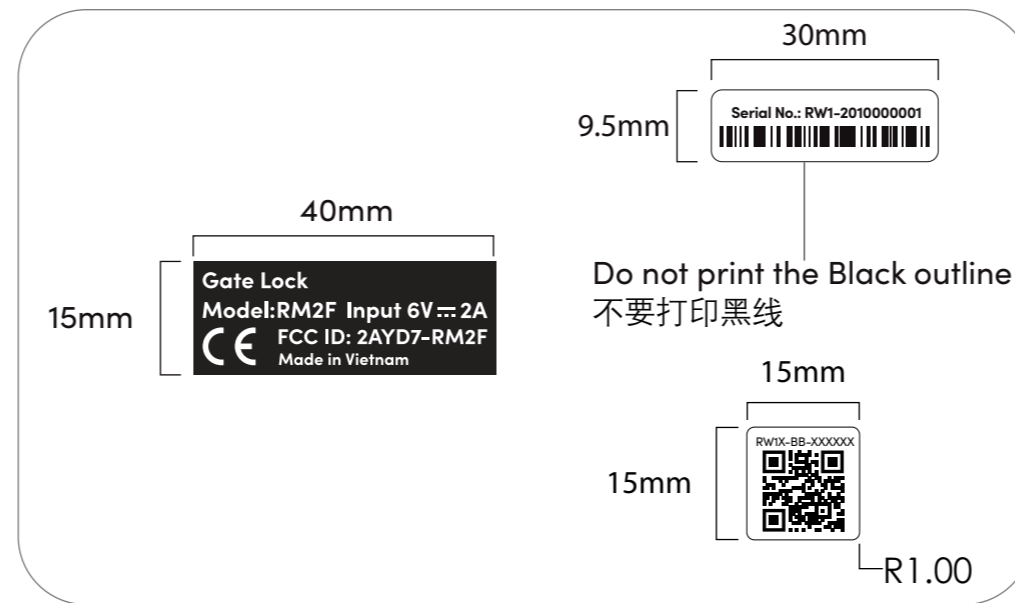
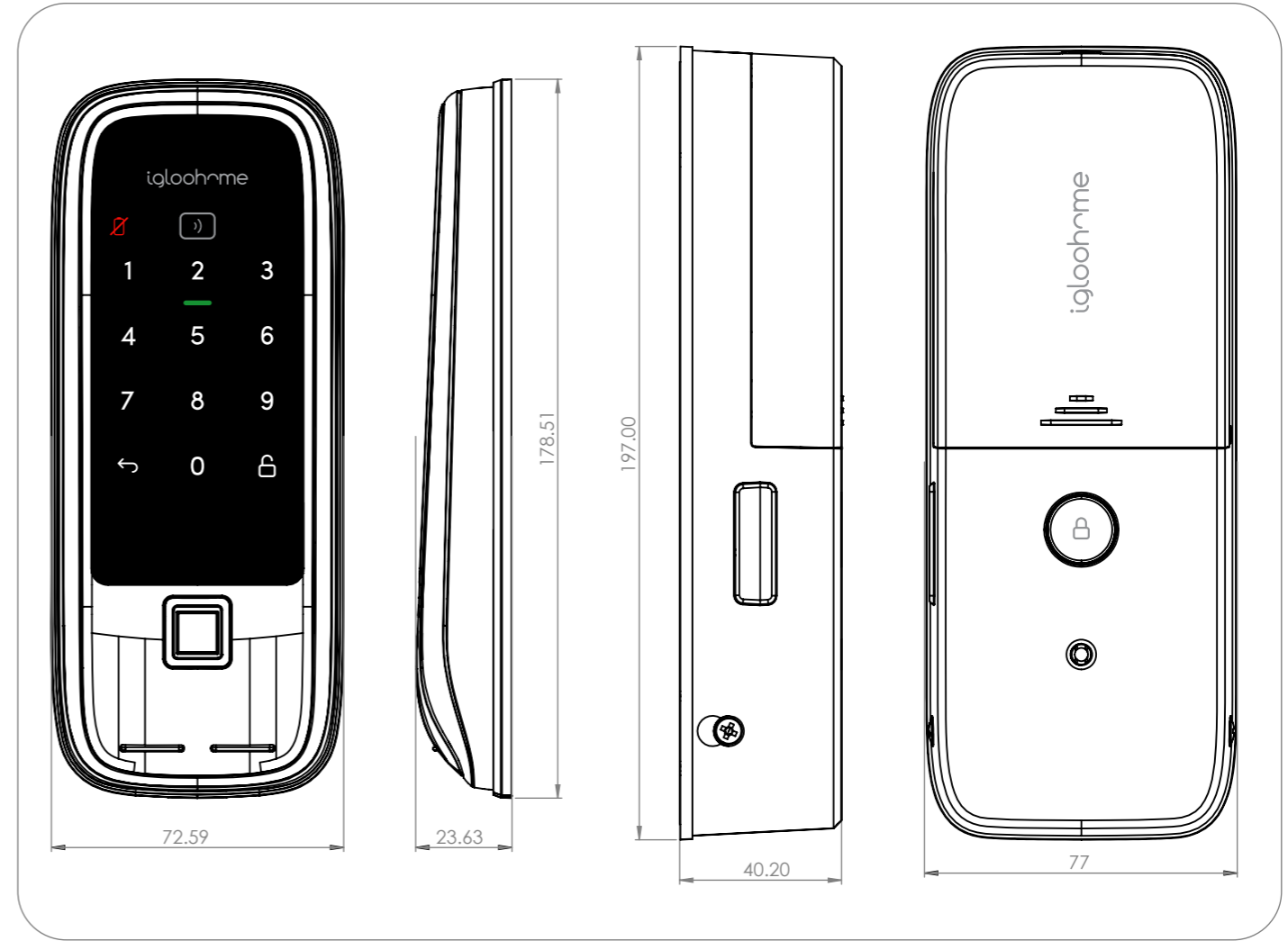
Font: Sofia Pro -Bold
VA: -25

Font: 5pt

Bluetooth ID Format:
'BB' is the batch number and 'XXXXXX' is unique alphanumeric characters.



Summary



Designed & Prepared by:

Siddartha Butalia	04/07/2023
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Name / Signature

Date

Approved by Creative Director:

Siddartha Butalia	04/07/2023
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Name / Signature

Date

Approved by CPO:

Anthony Chow	
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Name / Signature

Date

Approved by Product Manager:

Louis Tay	
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Name / Signature

Date

(Not to Scale)
Paper size: A3
Scale: N.A
Measurement Unit: mm

FCC Compliance

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.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. This equipment complies with FCC's RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna(s) must not be co-located or conjunction with any other antenna or transmitter.