



Windcave

SCR200MO Hardware Guide

Version 0.5

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Document Revision Information and Amendments

All amendments are to be identified and the manual updated, noting the amendment on this amendment page.

Version	Date	Section	Revision Information	Amended by
0.1	2020/05/25	All	Initial Draft	KH
0.2	2020/06/08	1 2	Updated introduction and description of device Updated hardware overview, power requirements, temperature ratings and compliance & standards	KH
0.3	2020/06/10	3	Added note about using non-metallic mounting plate	KH
0.4	2020/06/10	1	Updated introduction	KH
0.5	2020/06/12	2	Formatting update	KH

Related Documents

Document Title	Link/Location

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1 Overview

1.1 Introduction

The Windcave SCR200MO solution is a contactless secure card reader. It can act as an accessory to the SCR200F for the handling of contactless reads, or act as a standalone contactless payment solution.

The standalone option provides a simple solution for accepting contactless payments in an unattended card present environment; where only contactless payments are required. Integration of the SCR200MO standalone mode utilizes the same global Serial API specification accepted by the SCR solutions.

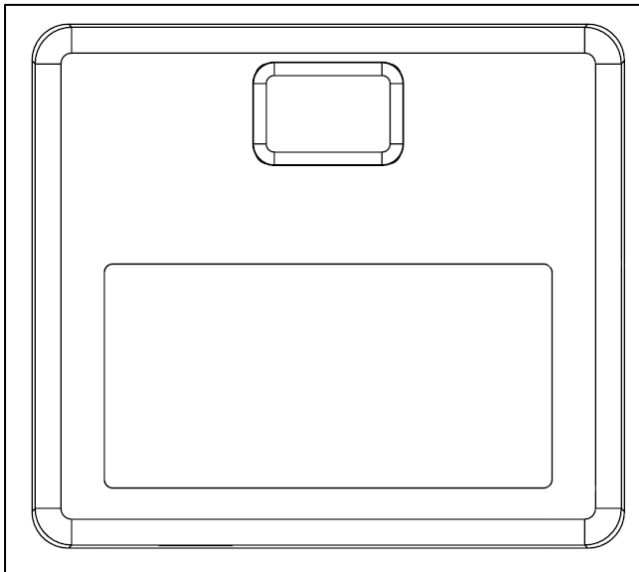
Windcave develops and owns the hardware design, intellectual property and processor platform to ensure end to end accountability from card read to bank card provider.

1.2 Hardware Models

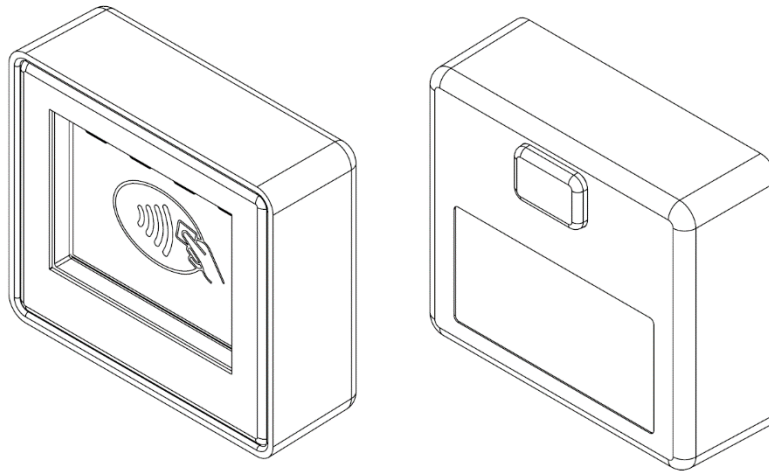
Model	Description
SCR200MO	Contactless Secure Card Reader

1.3 Connectivity

The connector for the device is on the rear of the unit, this connector is used to connect the SCR200MO to other Windcave secure card readers.



2 SCR200MO



2.1 Hardware Overview

- Modular Design
- Secure crypto MCU designed for POS applications
- Hardware accelerated encryption (Triple DES, RSA and AES) and a CRC engine
- Contactless Reader
- Dedicated tamper grid

2.1.1 Physical Link Interface

Refer to connectivity 1.3

2.1.2 Power Requirements

The device accepts DC regulated from +9V to +45V SELV (Safety Extra Low Voltage).

2.1.3 Operating & Storage Temperature Ratings

	Supported	Recommended
Operating	-20°C/-4°F to 75°C/167°F	-20°C/-4°F to 45°C/113°F
Storage	-30°C/-22°F to 80°C/176°F	10°C/50°F to 30°C/86°F

Note: Storing and using your device for extended periods outside of the recommended temperature range could shorten its service life.

2.1.4 Standards & Compliance

- EMVCo L1 Contactless
- L2 Contactless
- PCI PTS V5.x: SRED (Secure Reading and Exchange of Data)
- FCC
- AusPayNet
- TQM
- RoHS

2.1.5 Additional Comments

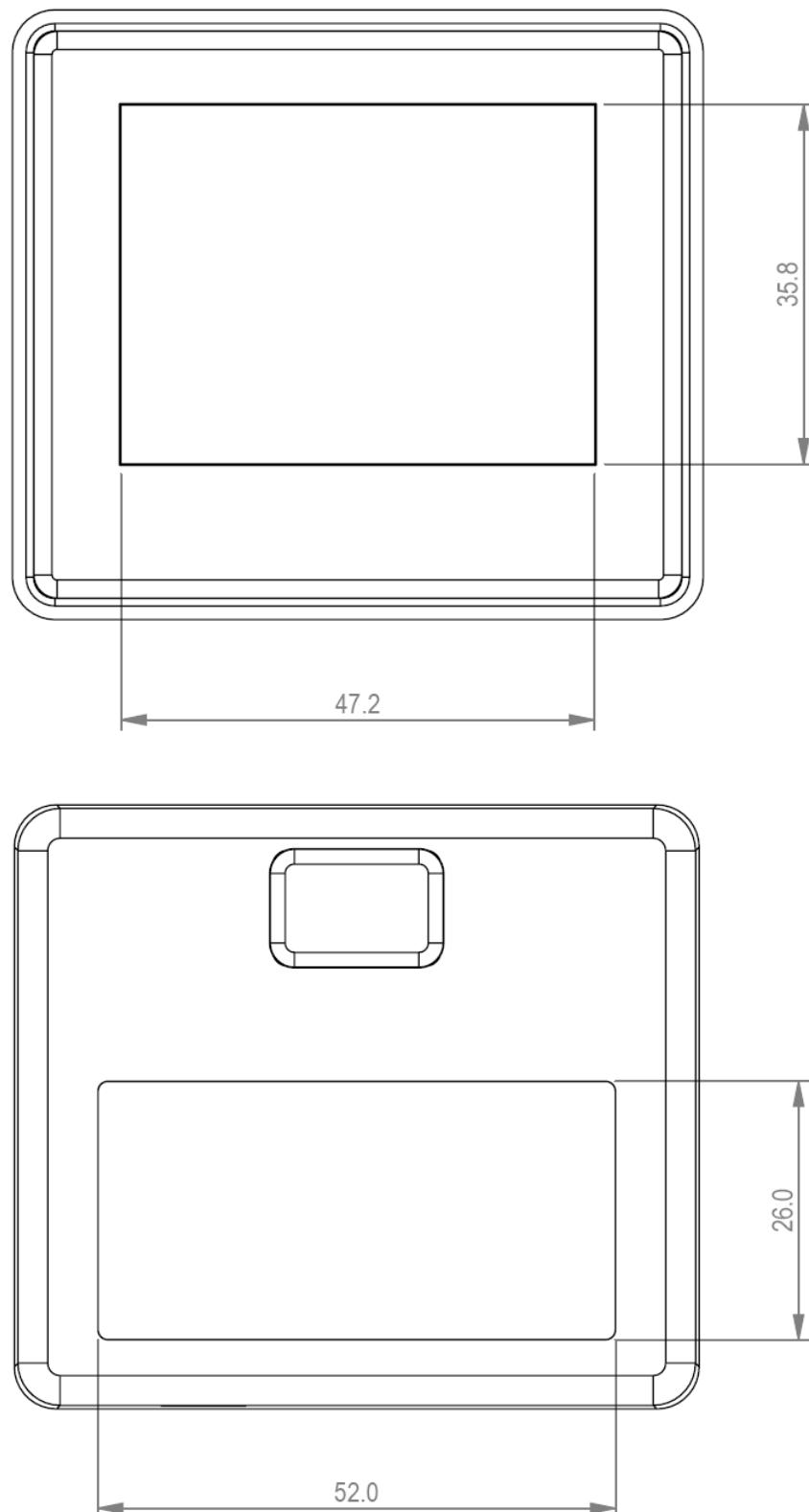
2.1.5.1 FCC Part 15 User Information

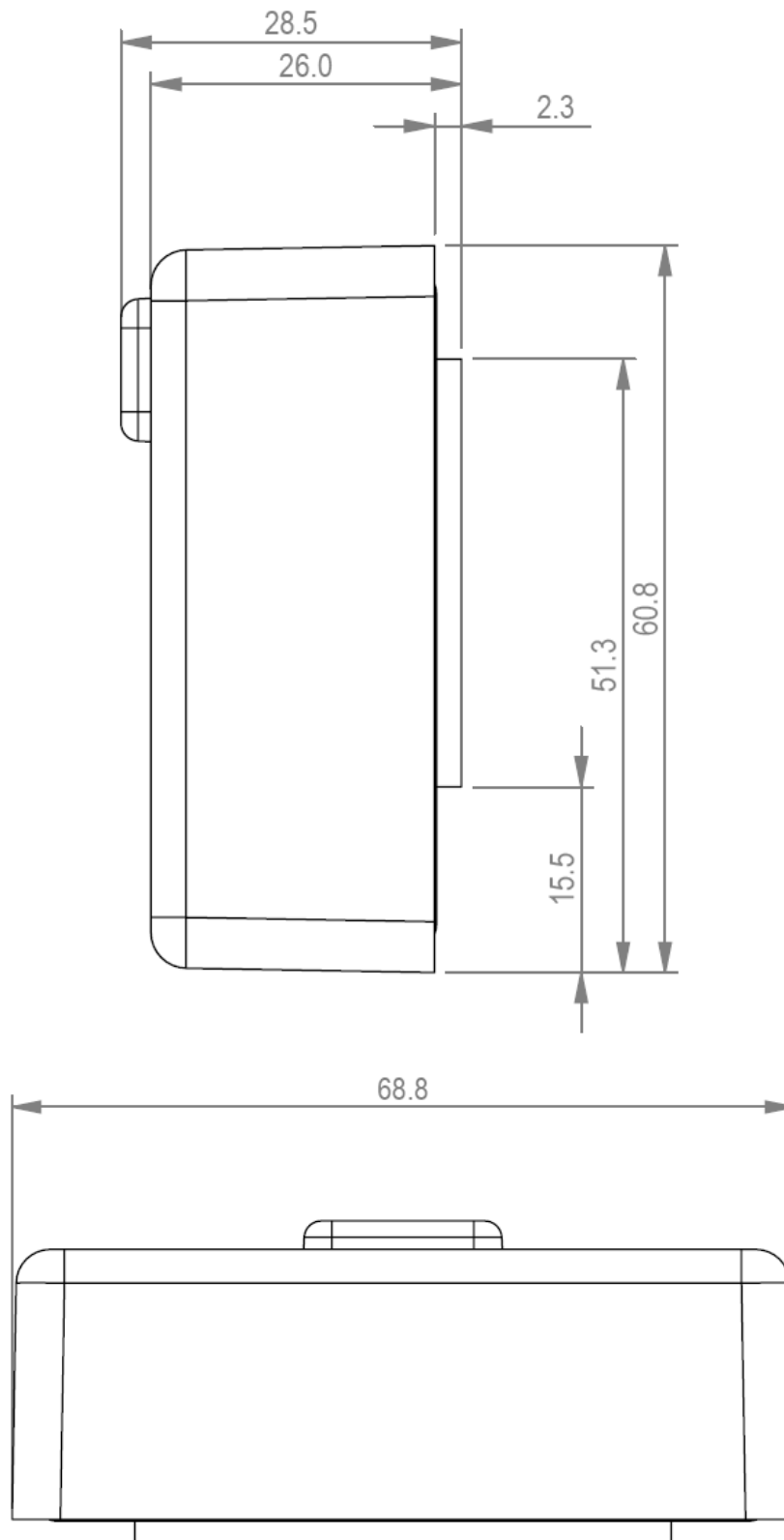
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

2.2 SCR200MO Dimensions



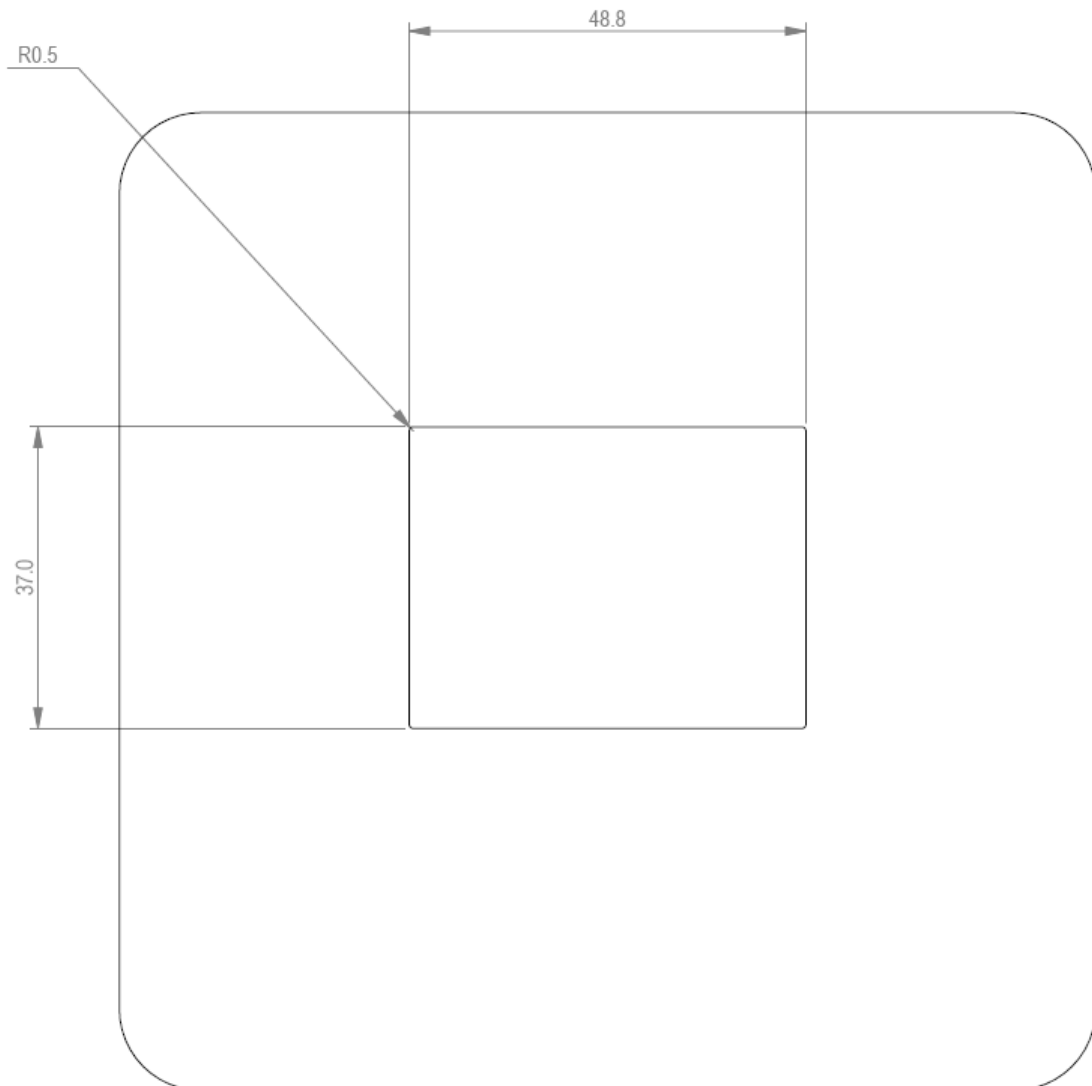


3 Machine Face & Cut-out Dimensions

3.1 SCR200MO

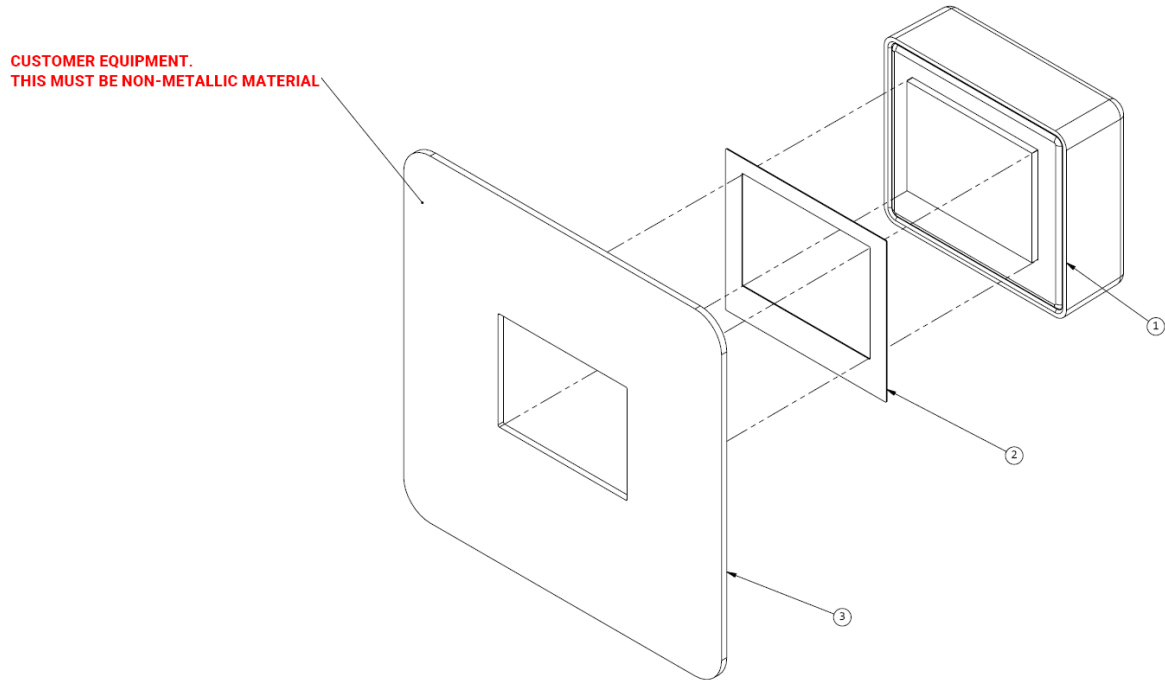
Recommended cut out dimensions for customer equipment. Please note that this plate is not supplied as part of the Windcave Hardware and is the responsibility of the customer to arrange their selected mounting method. All non-dimensioned lengths are subject to individual customer machine fronts.

Customer mounting plate must be a non-metallic material.



4 Installation

#	Description	Default QTY
1	SCR200MO-A	1
2	TAPE SCR200MO FRONT CASE MOUNTING VHB	1
3	CUSTOMER SUPPLIED EQUIPMENT, NOT PROVIDED BY WINDCAVE INC.	1



5 Maintenance

5.1 Tradeouts & Deactivation Process

In the event that the SCR200MO unit needs to be swapped out or deactivated, please follow instructions below.

1) Call Windcave Support to log a ticket. Please provide the following information.

1. Serial Number of SCR200MO.
2. Brief description of fault / reason for deactivation.
3. Contact Name.
4. Contact Phone Number.
5. Shipping Address (for replacement if needed).

2) Physically remove the device(s). At next communication with the host the device will be marked as removed.

3) Ship the device(s) back to Windcave.

5.2 Cleaning Instructions

The external face of the SCR200MO device should be carefully cleaned on a regular basis. This is to ensure that the front plate is free of dirt and solvents which could damage the device or prevent users from using the device as intended. Windcave recommend cleaning the device with a damp cloth or mild soap solution. Do not use any solvents as this may damage the device surface.

6 Document Control Procedure

Document Owner	Implementation Consultant		
Process Owner	Implementation Manager		
Document Approver	Implementation Manager		
Distribution List	Implementations, Global Trainer, Service Delivery Manager, Hardware Engineer		
Audit Date		Audit Frequency	Annually

This document will be reviewed in accordance with the audit frequency, but may also be updated to reflect changes as required.