APS CASHLESS TTW

Installation Guide

Version 1.0

Last update: 10/05/2021

Contents

1. REVISION HISTORY

Version	Date	Description of Change	Chapter
V1.0	May 2021	First publication	All

2. BASIC INSTRUCTIONS

2.1 ABOUT THIS MANUAL

This document contains the necessary information for the preparation of the installation area conforming to Unixfor specifications. It is very important that the location complies with the requirements specified in this document, because, once the equipment has been installed, deficiencies in installation area or the problems caused by these deficiencies are much more difficult to detect and correct. Further, failure to comply with these requirements or to take proper steps to protect equipment against risks identified in this document may cause serious damage to the equipment and to the customer's business.

In addition to the need to comply with the requirements specified, electrical wiring and mechanical systems must also comply with all relevant codes, laws and regulations.

It is important that the site is prepared by a customer or his agent who is fully conversant with the special requirements of electronic equipment. The responsibility for ensuring that the site is prepared in compliance with this document remains with the customer.

For information and guidance purposes only, a list is provided, in general terms, of those matters for which the customer is responsible. This list is not intended to be comprehensive, and in no way modifies, alters, or limits the responsibility of the customer for all aspects of adequate site preparation.
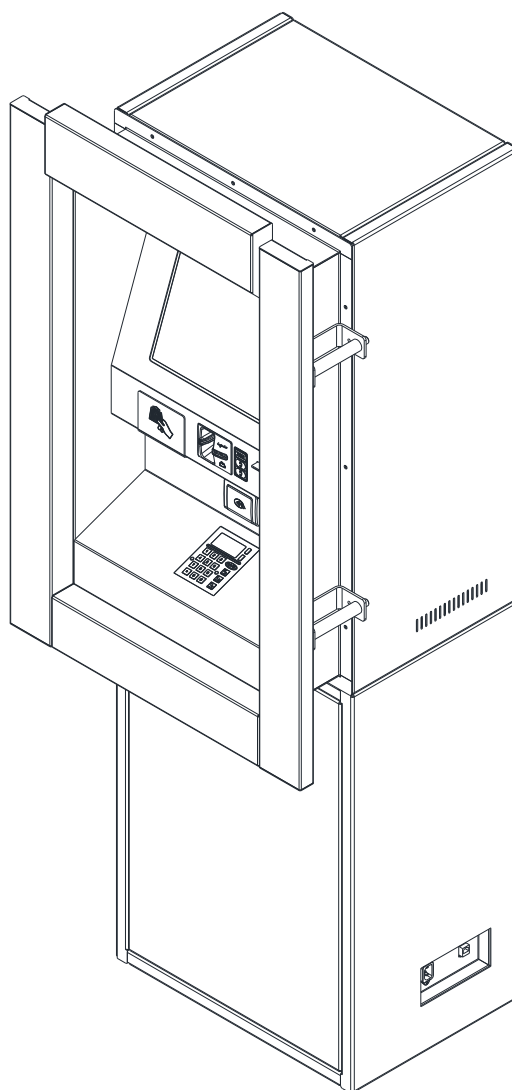
The product described in this guide is a licensed product of Unixfor S.A. It is the policy of Unixfor to improve products as new technology, components, software, and firmware become available, therefore Unixfor reserves the right to change specifications without prior notice.

✎ NOTES IN THE MANUAL ARE MARKED BY THIS SYMBOL.

⚠ *THIS SYMBOL IS USED FOR NOTICES OF ATTENTION / CAUTION.*

2.2 PRODUCT OVERVIEW

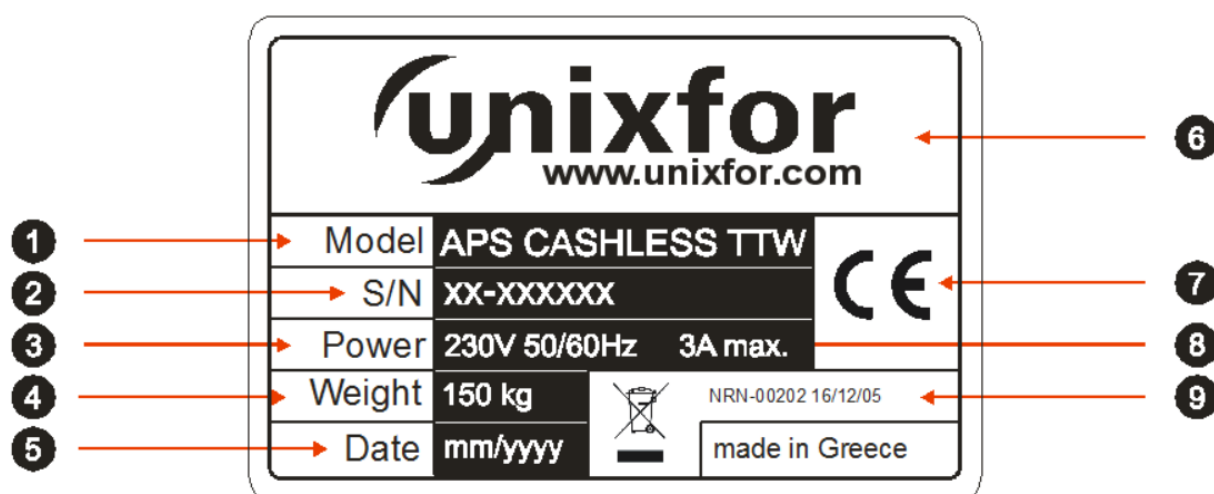The **APS CASHLESS TTW** is a through the wall payment terminal.

2.3 CHARACTERISTICS

Total height	1700 mm
Total width	600 mm
Total depth	547 mm
Weight	~ 150 Kg
Power consumption	230 Volt, 3 A max
Network Cable	UTP cat 5

2.4 PRODUCT IDENTIFICATION

The product is identified by a serial number, which is printed on a label fixed outside the enclosure of the **APS CASHLESS TTW**. The typical markings plate below indicates:
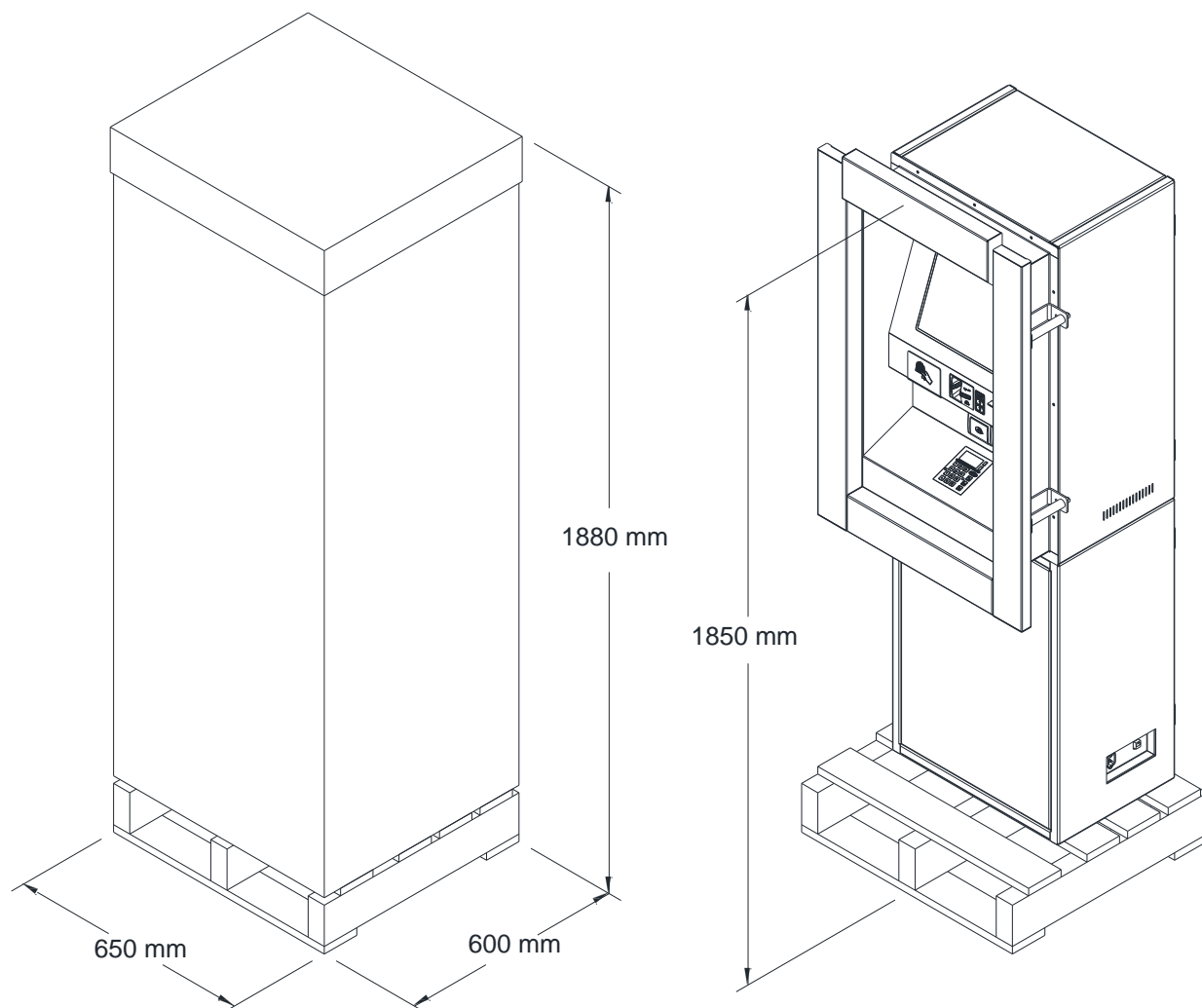
1. Machine Type

2. Serial Number

3. Operating Power (voltage) in V

4. Gross Weight in kg

5. Production date

6. Manufacturer Logo

7. CE Certification Mark

8. Nominal rated current in Amps

9. Manufacturers ID code for Suppliers of Electrical and Electronic devices

The serial number is unique to each **APS CASHLESS TTW** and used to identify where the machine was built. Please quote of the serial number, when making reference to the **APS CASHLESS TTW**.

2.5   PACKAGE DIMENSIONS

The dimensions of a packaged **APS CASHLESS TTW**, with and without the carton, are shown below (Fig. 1).

1880 mm
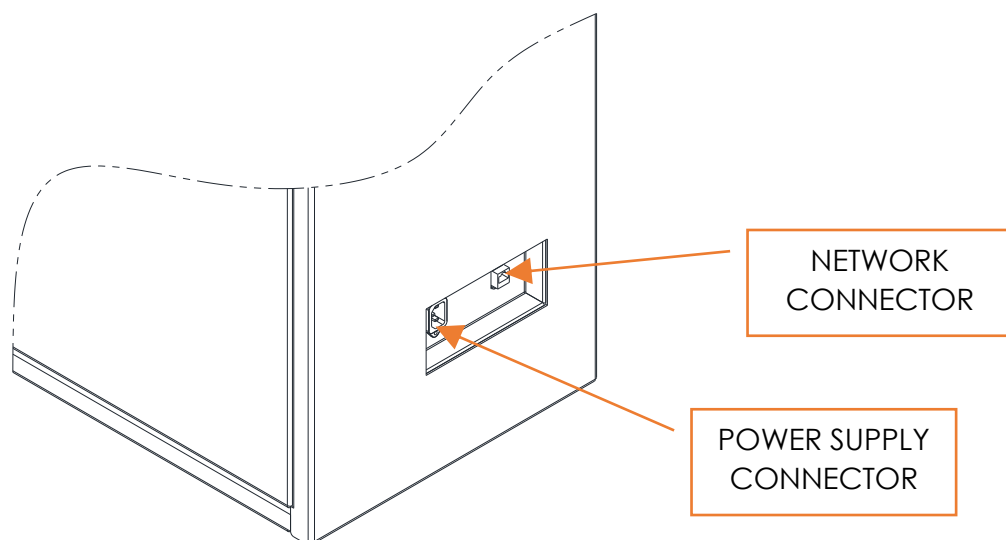
1850 mm

650 mm

600 mm

(Figure 1)

2.6   UNPACKING

For unpacking, please follow the instructions below:

- Remove the packing material of the **APS CASHLESS TTW** system.

- The kiosk is fastened to the palette by four (4) M16 bolts. Unscrew and remove these bolts.

- You should find the following items inside the shipping case:

  - One envelope with a set of keys

  - One paper roll for the receipt printer

  - USB Stick with Installation Guide

  - Quality Check Control List

- Dispose of the packaging which is no longer needed according to the regulations of your country.
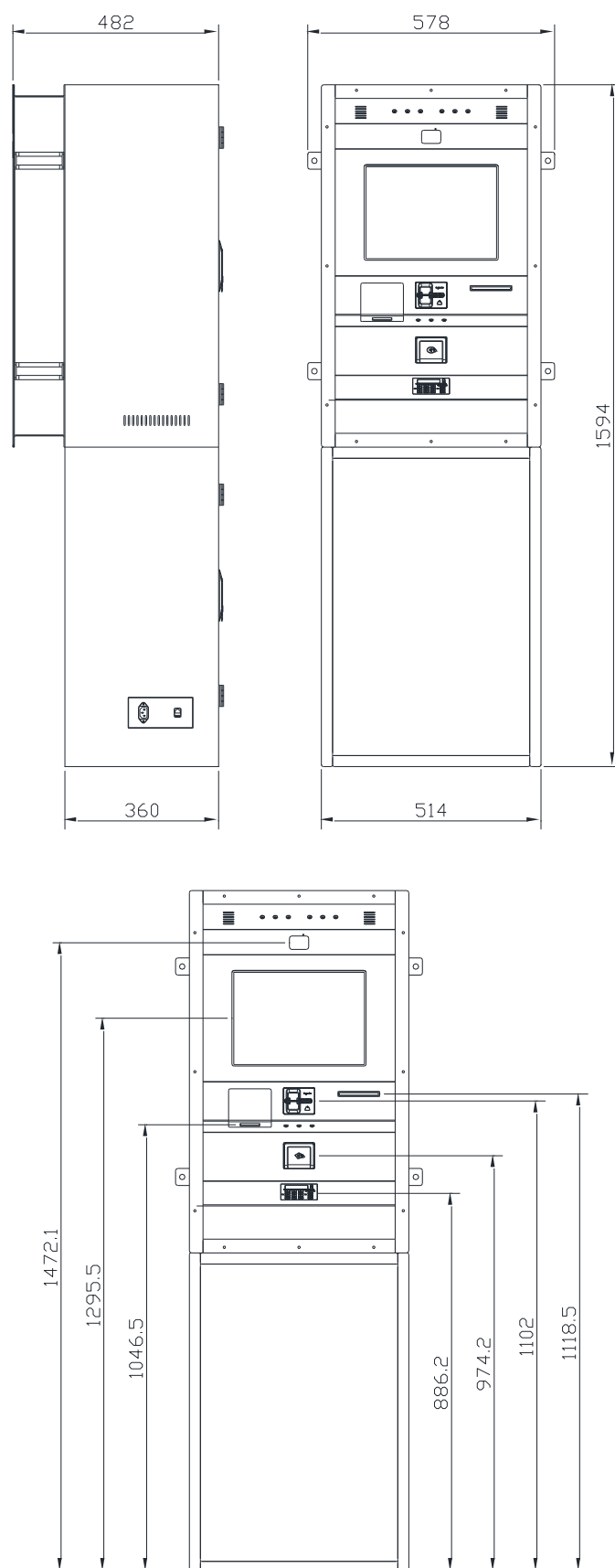
2.7   SITE REQUIREMENTS

The **APS CASHLESS TTW** Terminal's cabling access for power is on the right side of the machine. Provision must be made for the site's electrical installation so that the power supply and network cables attach to this side of the machine (Fig. 2).
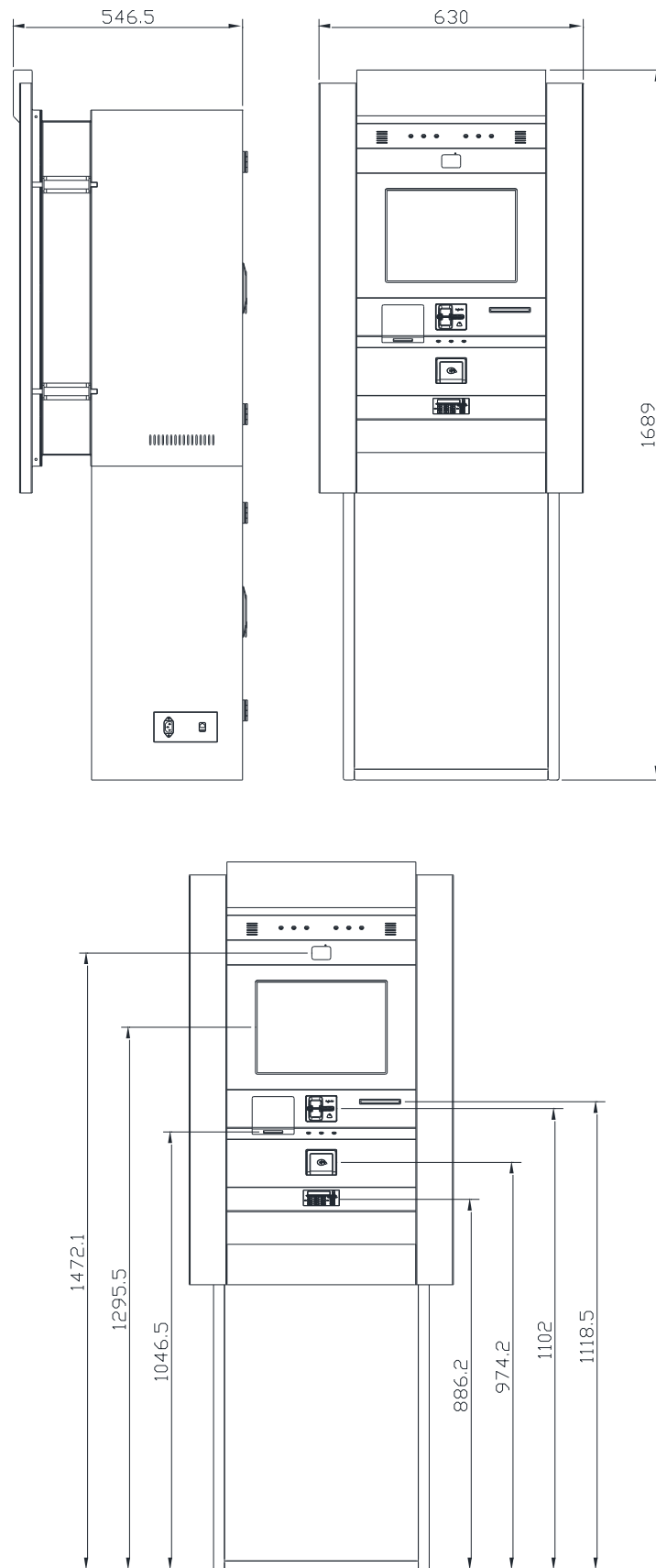

NETWORK CONNECTOR

POWER SUPPLY CONNECTOR

(Figure 2)

3. SITE REQUIREMENTS – BASIC INSTRUCTIONS
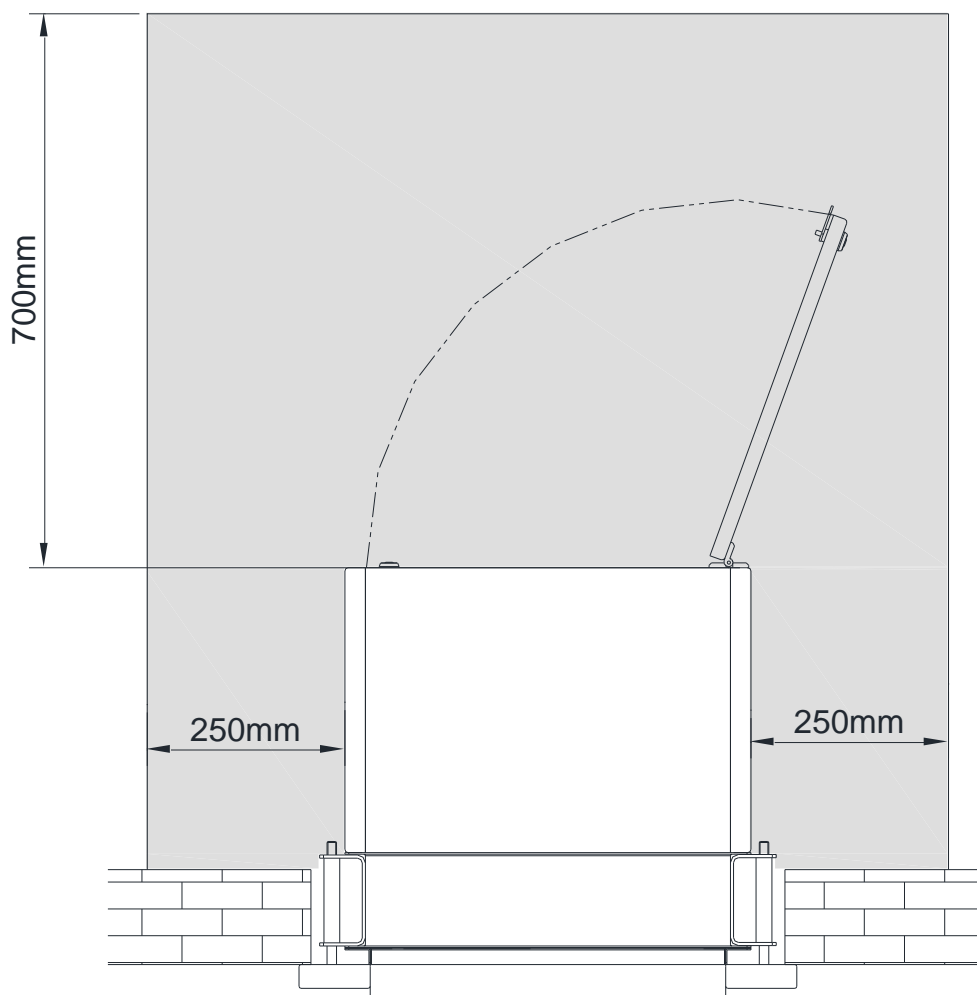
3.1 DIMENSIONS (WITHOUT COLLAR)

3.2 DIMENSIONS (WITH COLLAR)

3.3 RECOMMENDED CLEARANCES

The following illustrations show the recommended areas required for installing and servicing the **APS CASHLESS TTW**. There should be adequate space to the left, right and back of the **APS CASHLESS TTW** to allow for ventilation and doorway access. This distance should not be less than 250mm as a minimum from left and right and 700mm from the back.

3.4 POWER REQUIREMENTS

External cables are not supplied. Specifications for these cables are given in this section. It is the customer's responsibility to have any required external cables installed and to make sure that all cable preparations comply with Unixfor specifications as well as with all national, state or local telephone and telegraph regulations and laws.

The **APS CASHLESS TTW** power requirements will normally permit it to operate within existing wiring configurations and from existing mains provided that:

The branch circuit of the distribution panel supporting the **APS CASHLESS TTW** must not be used to support equipment with heavy inductive loads such as air conditioners or AC motors.

The installation meets or exceeds the regulatory and local guidelines with regard to electrical safety and all conductors sizing.

The normal and safe operation of **APS CASHLESS TTW** is dependent on the above. Only qualified personnel that meet local certification standards should be permitted to ensure compliance.

3.4.1 AC POWER REQUIREMENTS

The maximum current requirements are:

3A at 230V

The socket outlet shall be installed near the equipment and shall be easily accessible.

Unixfor does not recommend using an **APS CASHLESS TTW** without an Uninterruptible Power Supply (UPS). Without a UPS, there is the possibility of interrupting the customer's transaction on the device if there is a power failure.

3.4.2 INPUT VOLTAGE

The **APS CASHLESS TTW** can operate from the following input mains voltages 230V at 50Hz and should have the proper grounding.

The **APS CASHLESS TTW** operates from a single phase, 3 wire supply: line, neutral and ground.

NYM 3x1,5 min Fuse 10A

Unixfor recommends an earth fault protection to be installed.
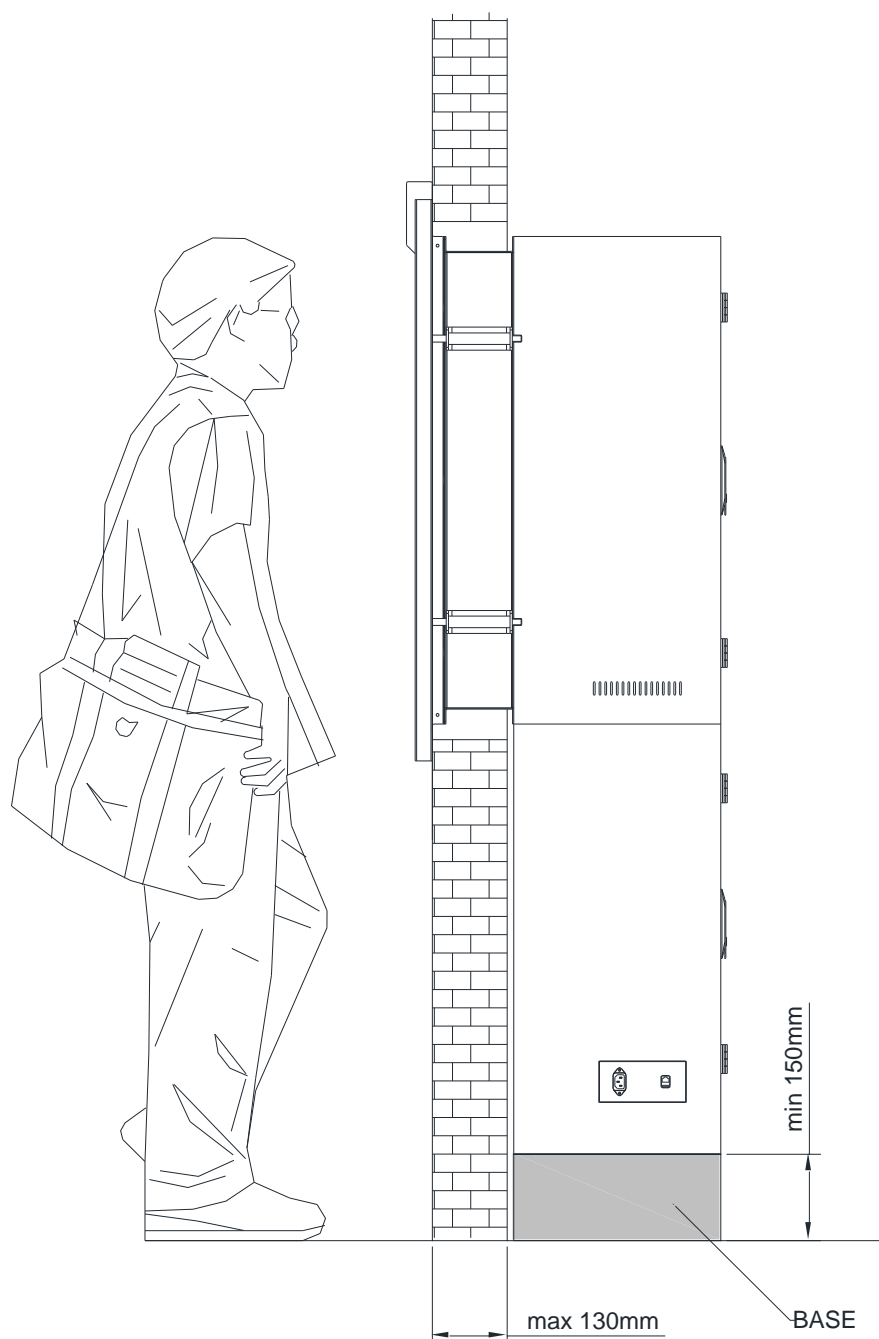
3.4.3 TRANSIENT PROTECTION

In the process of power distribution, transient electrical energy (including, but not limited to, lightning strikes, intermittent short circuits, and switching transients) can be introduced on to power lines. Such transient energy can be very damaging to electronic hardware and can also cause data corruption.

Unixfor accepts no liability for any malfunction and/or component failure as a result of power quality problems.
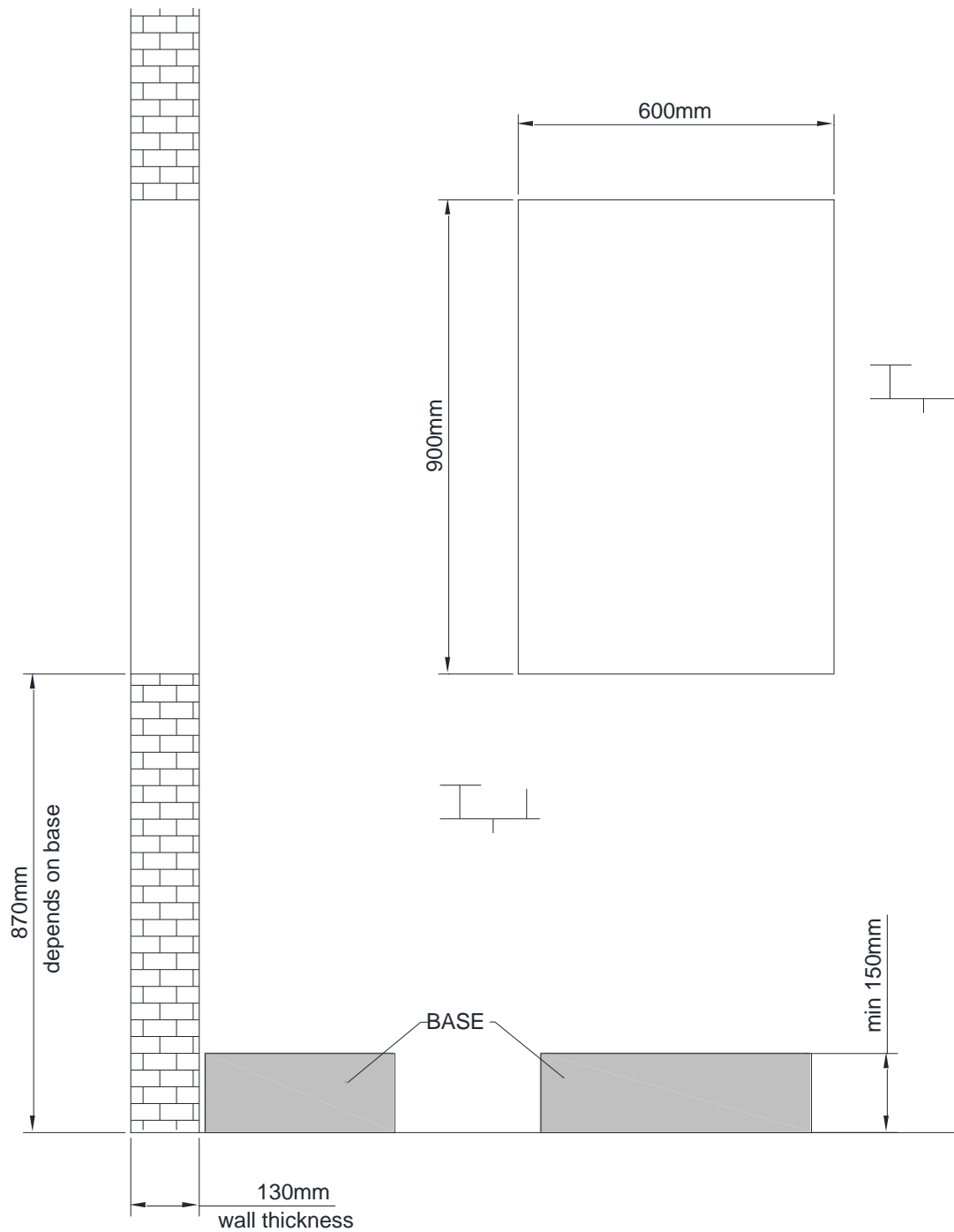
4. INSTALLATION MANUAL

4.1 MACHINE INSTALLATION

Ensure that the height from the sidewalk level to the fascia of the terminal complies with any local regulations. To install the terminal at the desired height through the wall, the owner should place a base underneath the terminal so as to reach the desired height (see Fig.3).
For correct installation height, you must consider the difference in height between the sidewalk and the interior floor.
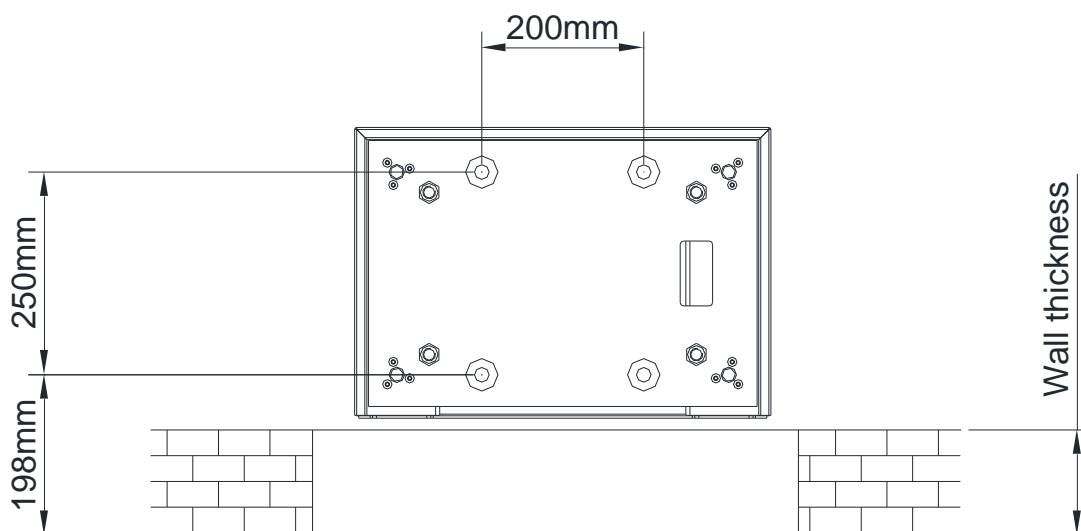

(Figure 3)

The dimensions of the required opening on the wall shown below (Fig.4)

600mm

900mm

870mm
depends on base

min 150mm

BASE

130mm
wall thickness

(Figure 4)

After the previous preparation of the wall opening and the height of the terminal, next is the proper positioning of the base.

- Mark the position of the four (4) holes on the floor.

- Use a 24mm diameter drill bit to open the four (4) holes.

- Make sure that the holes have a depth 120mm.
- Remove any dust or debris that may have fallen through the holes during the drilling process.
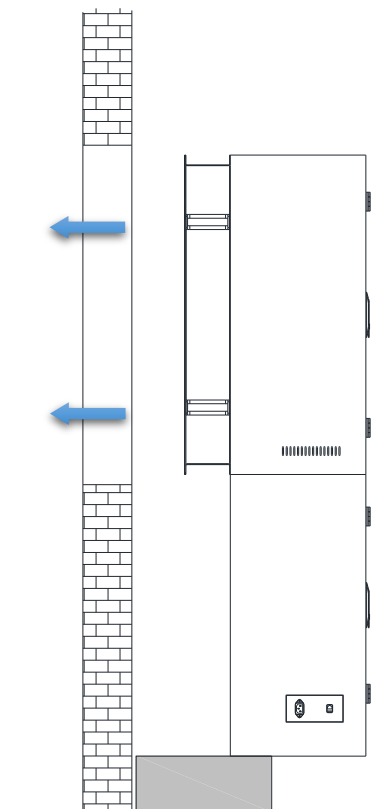- Place metal plugs/connectors (M16) in the holes.

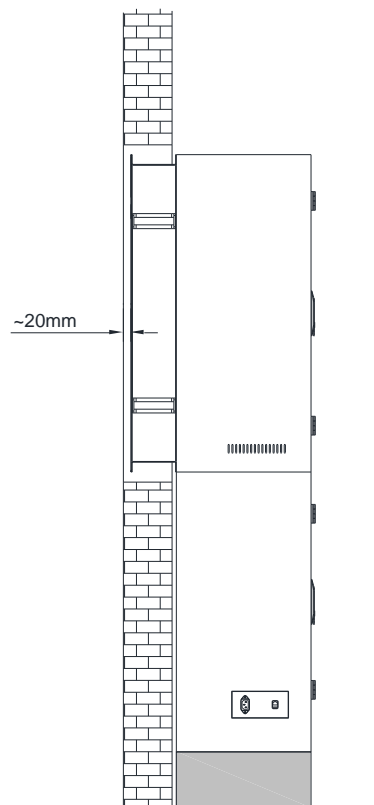- Move the base into the installation position and align it over the plugs.

- Attach using M16 nuts and washers.

The kiosk should be placed facing the opening as shown in Figure 5, and pushed forward leaving a gap between its most forward surface and the outer wall of around 20mm (Figure 6).
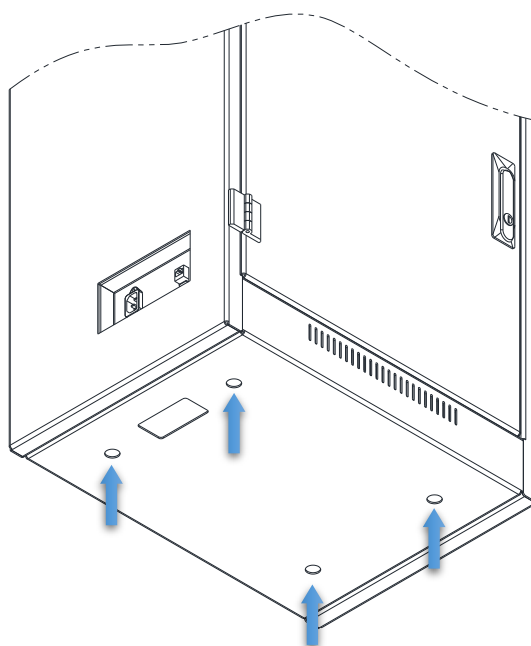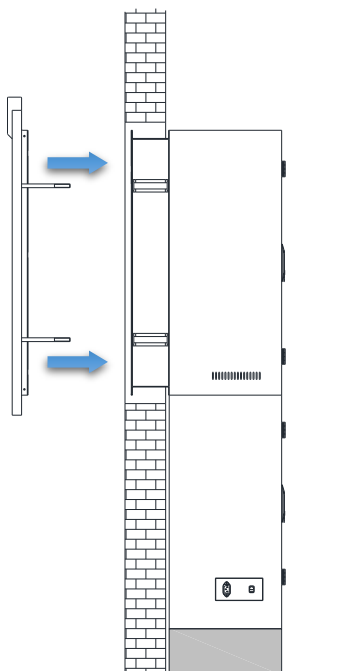

(Figure 5)

(Figure 6)

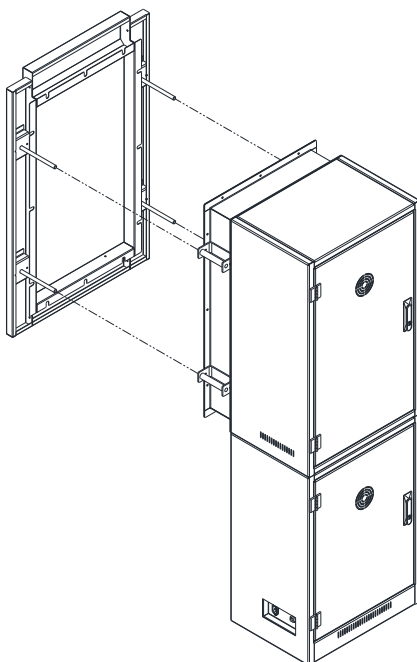Next, the terminal should be fastened to the base with four M16 bolts, as shown in Figure 7.

(Figure 7)

After secure fastening of the main terminal, the owner should place the outside frame from the opposite side of the wall opening (outer wall), as shown in Figure 8, until it touches the main terminal. Note that the screws must protrude through the appropriate holes.

(Figure 8)

Next step is fastening the two parts together. Therefore four (4) M12 nuts should be used to securely connect the outer frame to the main terminal, as shown in Figure 9.

(Figure 9)

Last step of the installation is sealing the space between the wall and the collar with silicon is recommended for maximum system function and safety. Seal both the top and the sides of the collar with waterproof silicone. Do not apply silicone to the bottom of the collar to all for drainage. Remove excess silicone.

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