

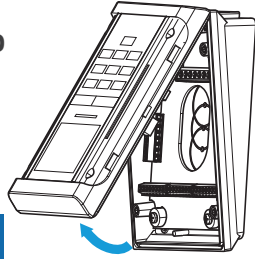
Quick Installation Guide

This guide contains the basic instructions for installing the S700 intelligent access terminal.

For a complete description of the S700 and its features, refer to the Technical Product Specification at: <http://www.cemsys.com/S700>



2 Mounting the Terminal

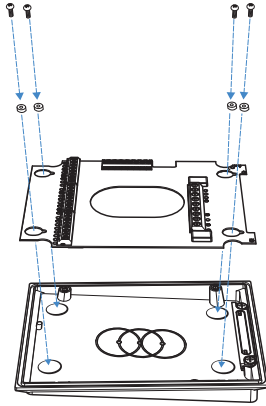


Opening the terminal

1. Set the terminal on a level surface.
2. Remove the four screws using a hex security screwdriver.
3. Remove the front part of the terminal, pivoting at the base.
4. Disconnect the ribbon cable from the I/O board.

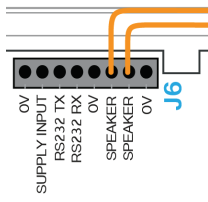
Removing the I/O board

1. Remove the four screws and spacers using a Pozzi head screwdriver.
2. Remove the two yellow internal speaker wires from connector J6 on the I/O board.
3. Lift the I/O board away from the back casing.
4. Drill the cable access holes using the guides on the back casing.
5. Drill the holes on the terminal casing to match the back box fixture points.



Mounting the back casing to the back box

1. Using the drilled mounting holes, screw the back casing to the back box.
2. Screw the I/O board to the back casing, ensuring to replace the spacers.
3. Connect the internal speaker to the I/O board. The yellow speaker wires can be wired to the J6 speaker terminal in any order.



Specifications

Required tools

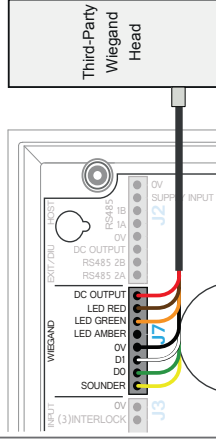
Hex security screwdriver	Size H20	Flat head screwdriver	2.5 mm
Pozzi head screwdriver	Size PZ1	Flat head screwdriver	3.0 mm

Part	Rating
Supply Voltage (Vdc)	9 to 28
Power (W)	Typical: 2.4 / Peak: 4.8
Inputs	Four analogue inputs - voltage supplied
Comms to exit reader	RS485 serial comms / Wiegand protocol
Comms to system host	10/100 Base-T TCP/IP CAT6 / RS485 serial comms
Dry contacts output	24 Vdc @ 2 A
Operating temperature (°C)	-20 to +70 (-4 °F to +158 °F)
IP rating	IP65

3a Wiring Configuration: S700e Host + S700s Exit

WIRING NOTES

Third-Party Wiegand Readhead



Fail-safe Lock

If the terminal loses power, a fail-safe lock opens allowing free access. Therefore, a lock that is constantly powered, such as a maglock, must be used.

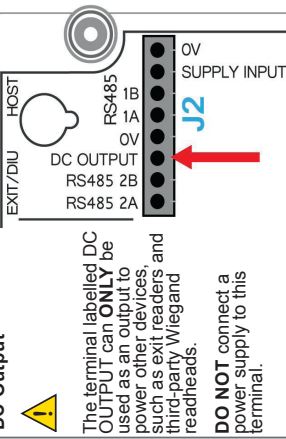


Fail-secure Lock

In fail-secure configuration, if the terminal loses power, the lock remains closed. A lock that requires power to open, such as a mortice lock, must be used.



DC Output



1 Software Setup

Adding the device to AC2000

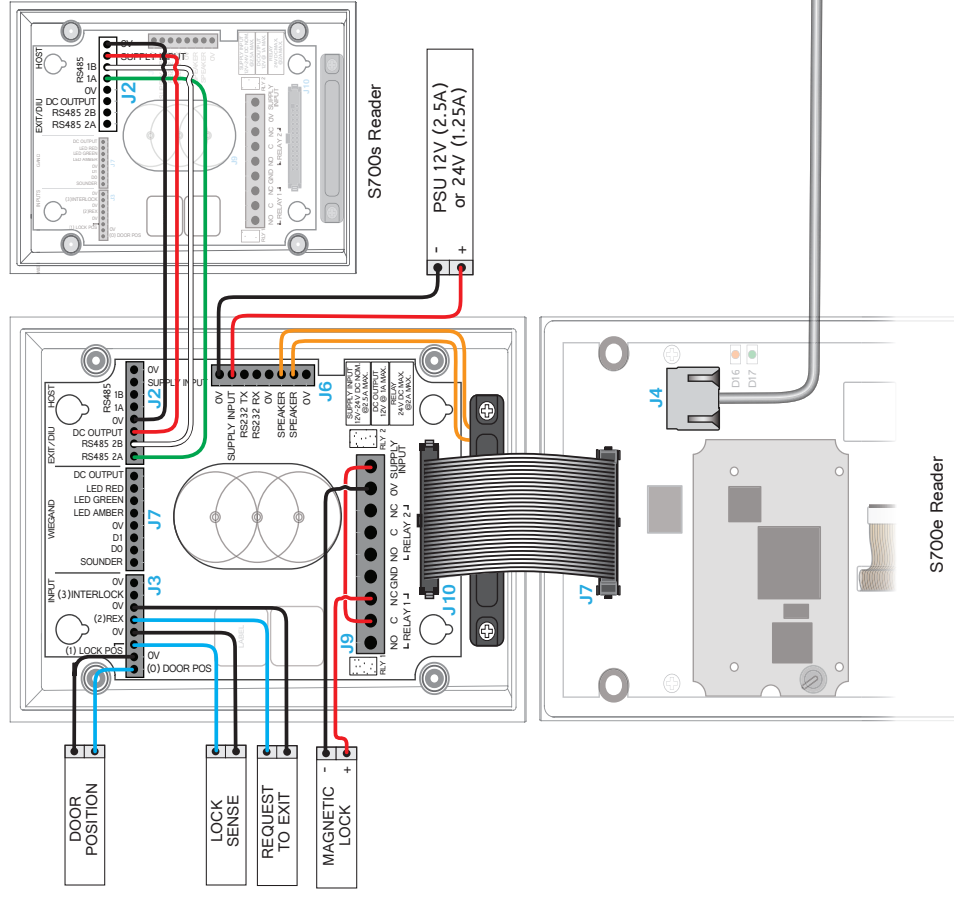
1. Open AC2000 | Device Configuration | Devices.
2. In the left pane, expand the Controller to which the terminal is being added.
3. Right-click the appropriate Device Group and select **Add Device**.
4. From the Device Type drop-down list, select the S700 model to install.
5. From the Configuration Mode drop-down list select the setting that matches your hardware setup.
6. From the Device Number drop-down list select a device number.
7. Enter a unique description for the device in Device Location.
8. Enter the MAC Address of the device. To display the MAC Address on the terminal select **System Information | Network**.
9. Enter the IP address of the device.
10. Click **Add** to complete the setup.

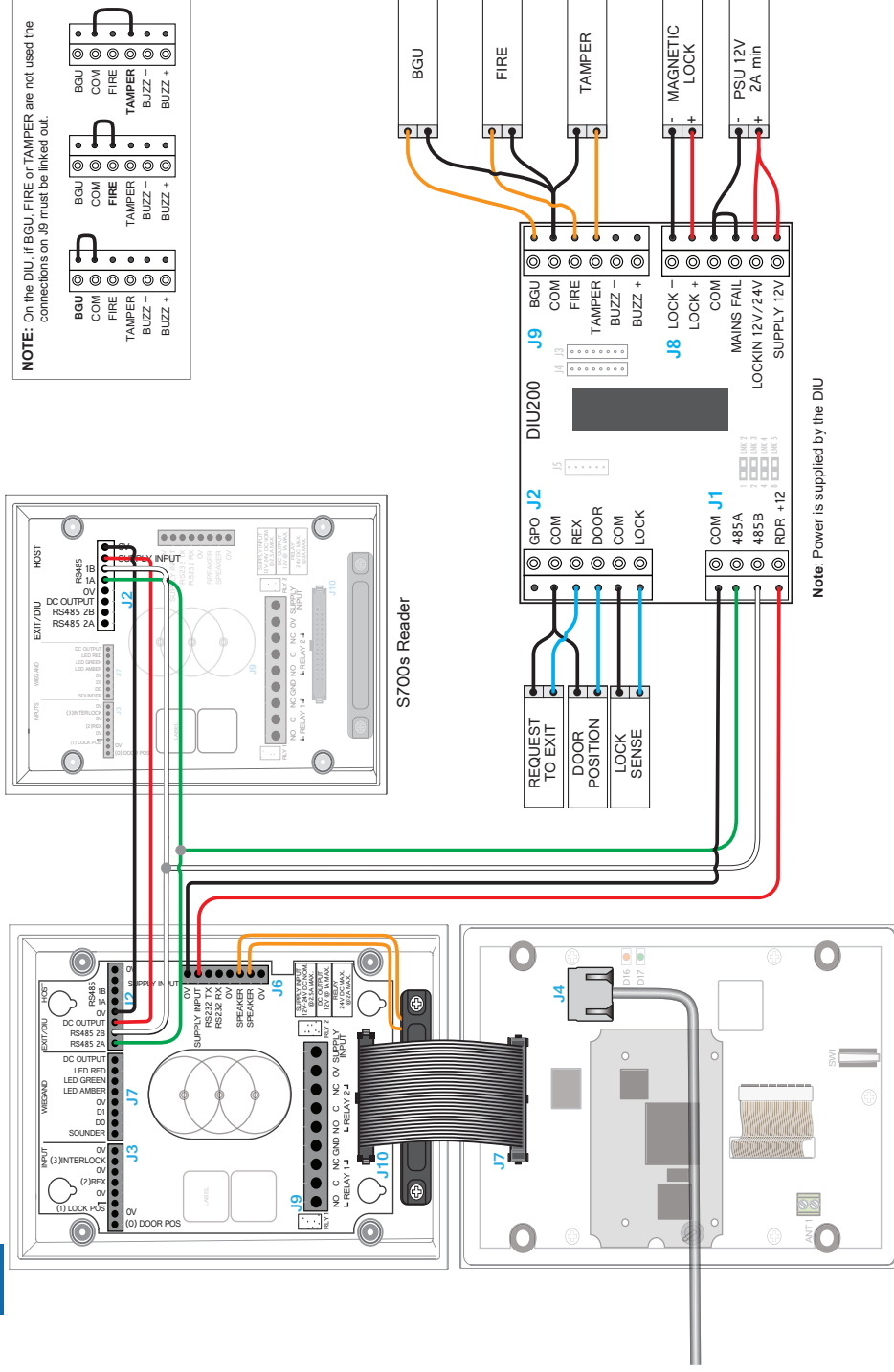
Configuring device inputs

If inputs are used to trigger alarms or events in AC2000 AED they must first be configured in the AC2000 Devices application. For more information, see AC2000 Setup Guide.

Card definitions

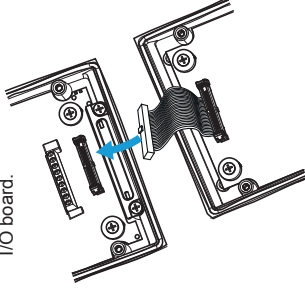
Ensure that the correct card definition for the chosen card technology is loaded on the CDC.



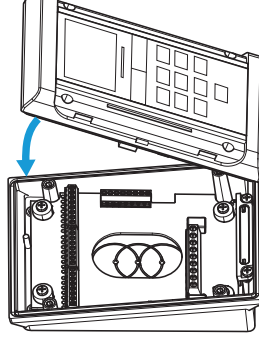


Care should be taken when re-assembling the terminal. The front case should not be left hanging from the ribbon cable while attached to the back case. Ensure there is adequate network cable length to reach the connectors.

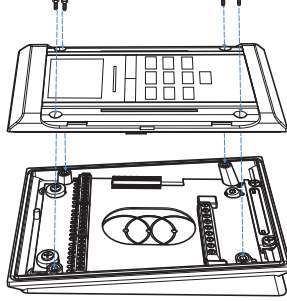
1. Connect the ribbon cable to the I/O board.



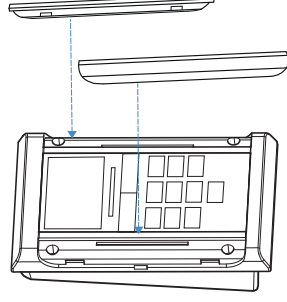
2. Ensure the large case o ring and the 4 small o rings are in place. Attach the front case to back case.



3. Screw the front casing to the back casing using the four security hex screws.



4. Clip the side panels onto each side of the terminal covering each of the mounting screws.



Support

For more information on the S700, consult the following resources.

Datasheets
Installation Manual
User Guide

<http://www.cemsys.com/S700>
<http://www.cemsys.com/support>
<http://www.cemsys.com/support>

Sales

cem.sales@tycoint.com

Technical Support

Tel: +44 (0)28 90 456656



Safety and Regulatory Information



WARNING - For FCC labelled S700 Terminals

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. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter.

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

Installation of this device shall be performed by a qualified person in accordance to all local regulations.

This system must be installed within the protected premise in accordance with the National Electrical Code (NEC/PAYO), and the local authorities having jurisdiction.

Equipment changes or modifications without the approval of the party responsible for compliance could void the user's authority to operate the equipment and could create a hazardous condition.

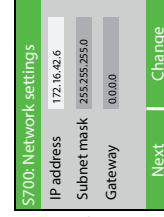
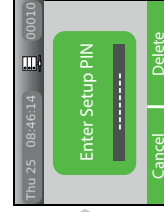
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S700-IG-0087-1-72

5 Configuring the Network

Setting the terminal IP address, Subnet mask and Gateway

1. On the terminal keypad, quickly tap the right function key at least three times.



5. Select **Change** to edit the selected field.

6. Enter the **IP Address**, **Subnet** and **Gateway** settings using the keypad. Press the left function key for a '.

7. To exit settings, press key 0 and select **Save** to save the new settings, or **Quit** to discard changes.

Checking network status

The network status is continuously displayed on the home screen of the reader.

Terminal has received the onboard database



Terminal has received configuration settings from the CDC

Terminal is connected to the RTC

Terminal is connected to network using ethernet

The terminal is now connected to the AC2000 system and ready to use.

2. Enter the pass code **67670000** to access the **Config Menu**. After the AC2000 system setup is complete, the pass code is 6767XXXX, where XXXX is the code set by the system administrator in **Device Configuration**.

3. To access the **Network Settings** menu, press key 5.

4. Select **Next** to highlight the relevant field.