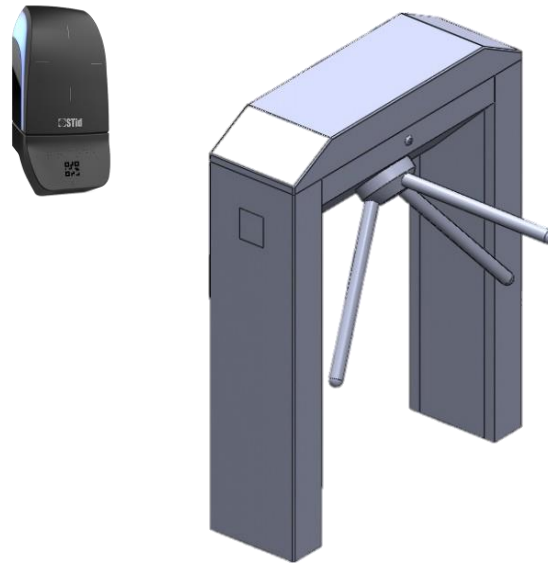

INSTALL AND WIRING MANUAL

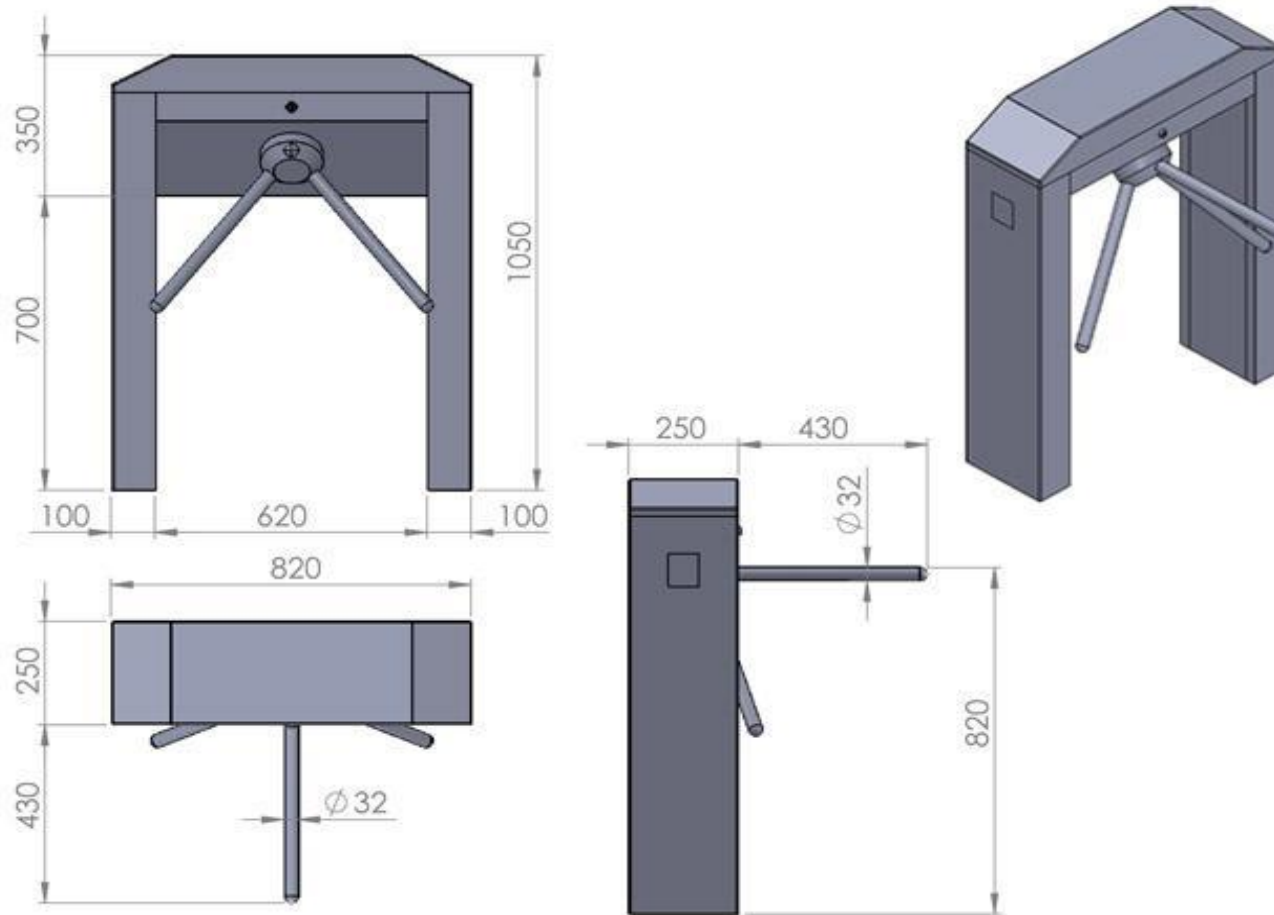
Reteks Turnstile access control kit



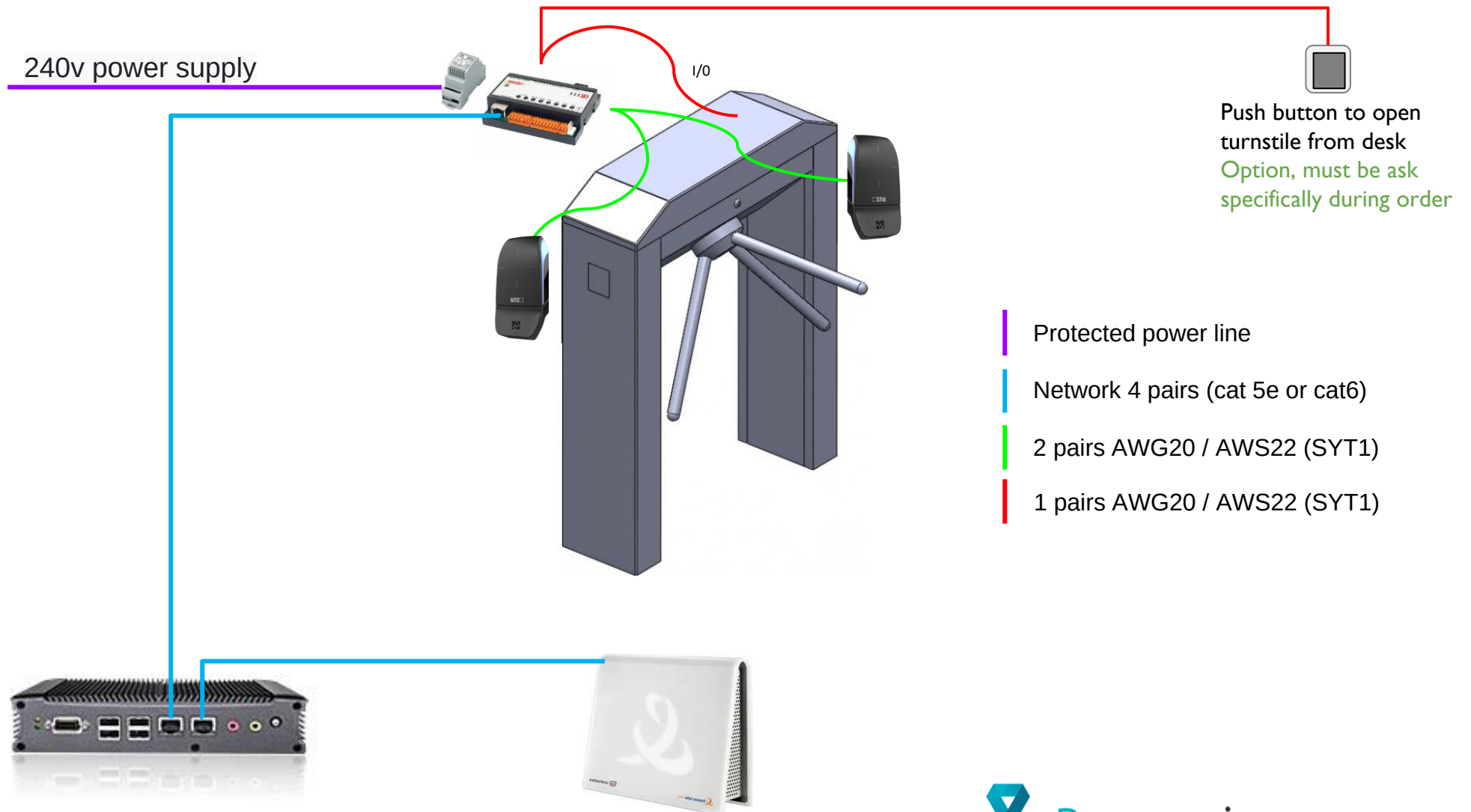
Questions ? :

+33 | 84 | 7 33 70

Turnstile drawings



Overview



Description of pack's elements



ResaBox

- Industrial mini PC, access control server
- Must be connected to both Internet and the door ip controller with the 2 provided network cables



IP Controller

- Acquire data from the RFID reader, control door with dry contact relays
- To be connected to the Resabox
- To be placed at the back side of the door, inside the building



RFID card reader

- Proximity RFID & QRCode reader
- To be placed (screwed) near and at front side of the door,
- To be connected to the door controller with provided cable (2 pairs AWG20)



Desktop RFID reader

- Used to enroll member card
- To be connected to an USB port of the gym desk computer where Resamania app will be accessed

Resabox description

The Resabox is a fanless industrial computer.
Here is an overview of available connectors.



Resabox install

Local network / Internet Access

The Resabox must be connected to your local network. It configure itself automatically thanks to DHCP. Its open a Virtual Private Network with Resamania cloud application through this network link.

Hints: Connections at destination of TCP/IP port 1194 must be granted

Connect your local network to port LAN 1

Dedicated network / Access Control Devices

Each access control module must be connected to a dedicated network. The Resabox is connected to this network to manage all the modules

Hints:

- If more than one access control module is deployed, each module must be connected to the provided switch in the package and an additional link from the switch to the Resabox LAN2 must be created
- If only one access control module is deployed, the module can be directly connected to Resabox LAN2

Connect the access control dedicated network to port LAN 2

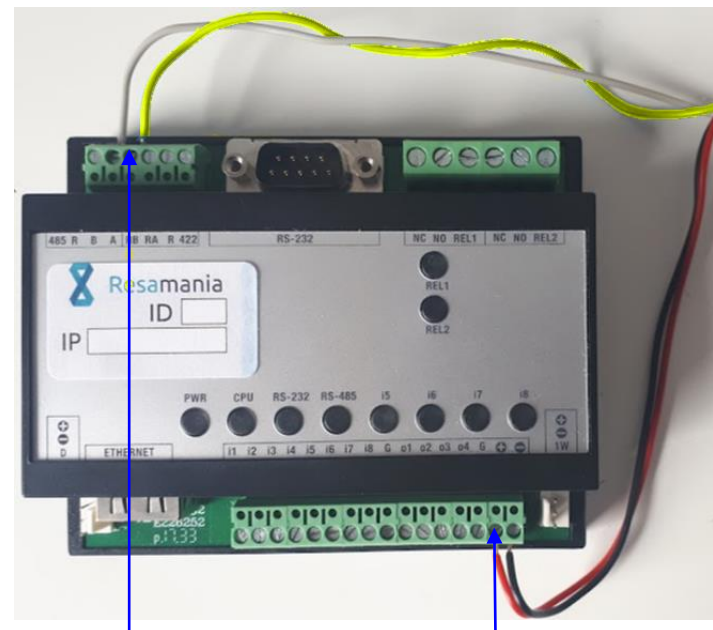
Wiring photo for STID card reader



Reader RS485 bus

12VDC power supply
bridged with the ones of
the access control
module

Yellow	Yellow	Red	Black
L-	L+	+12V	0v

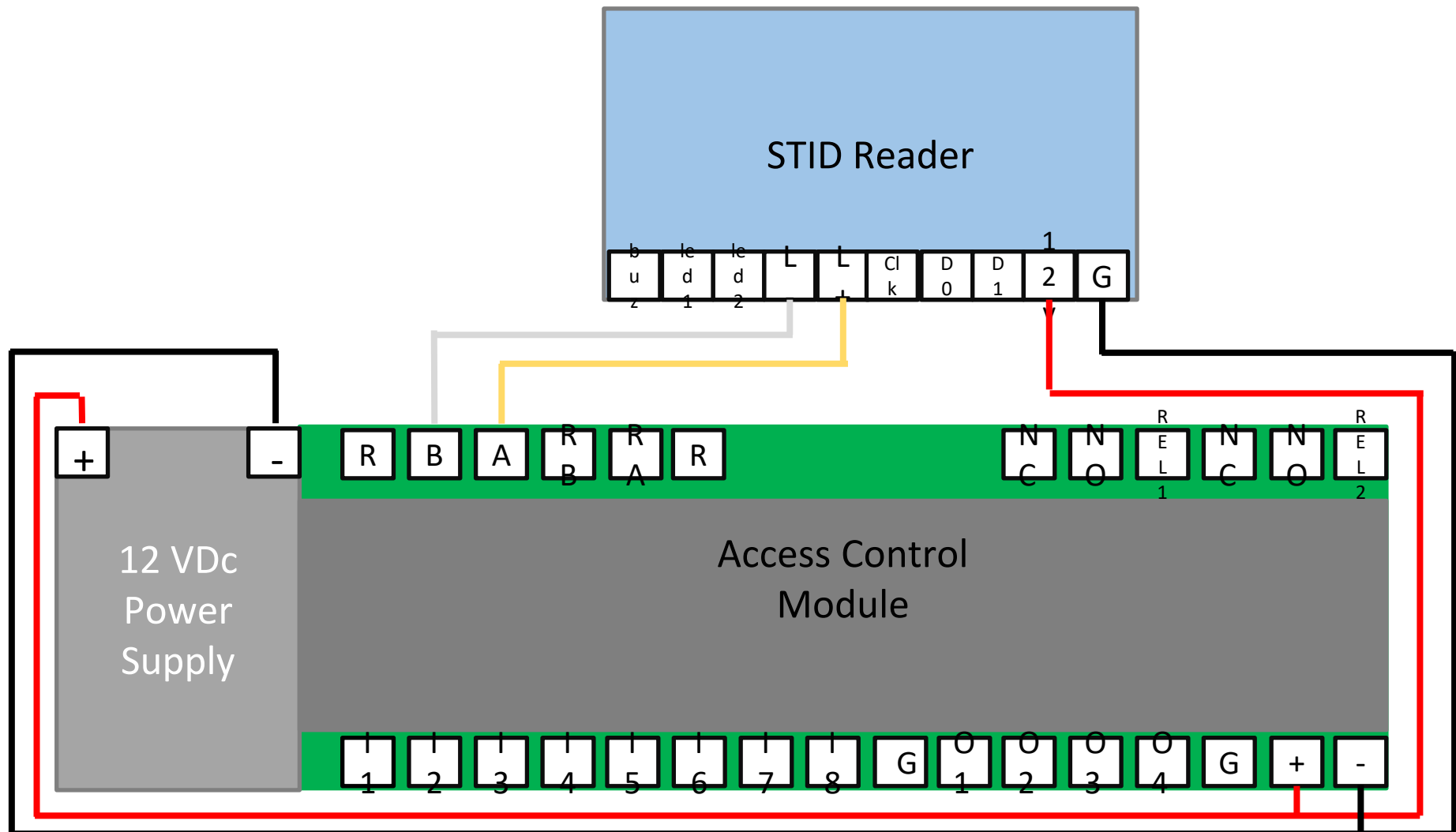


RS485 bus from
the reader(s)

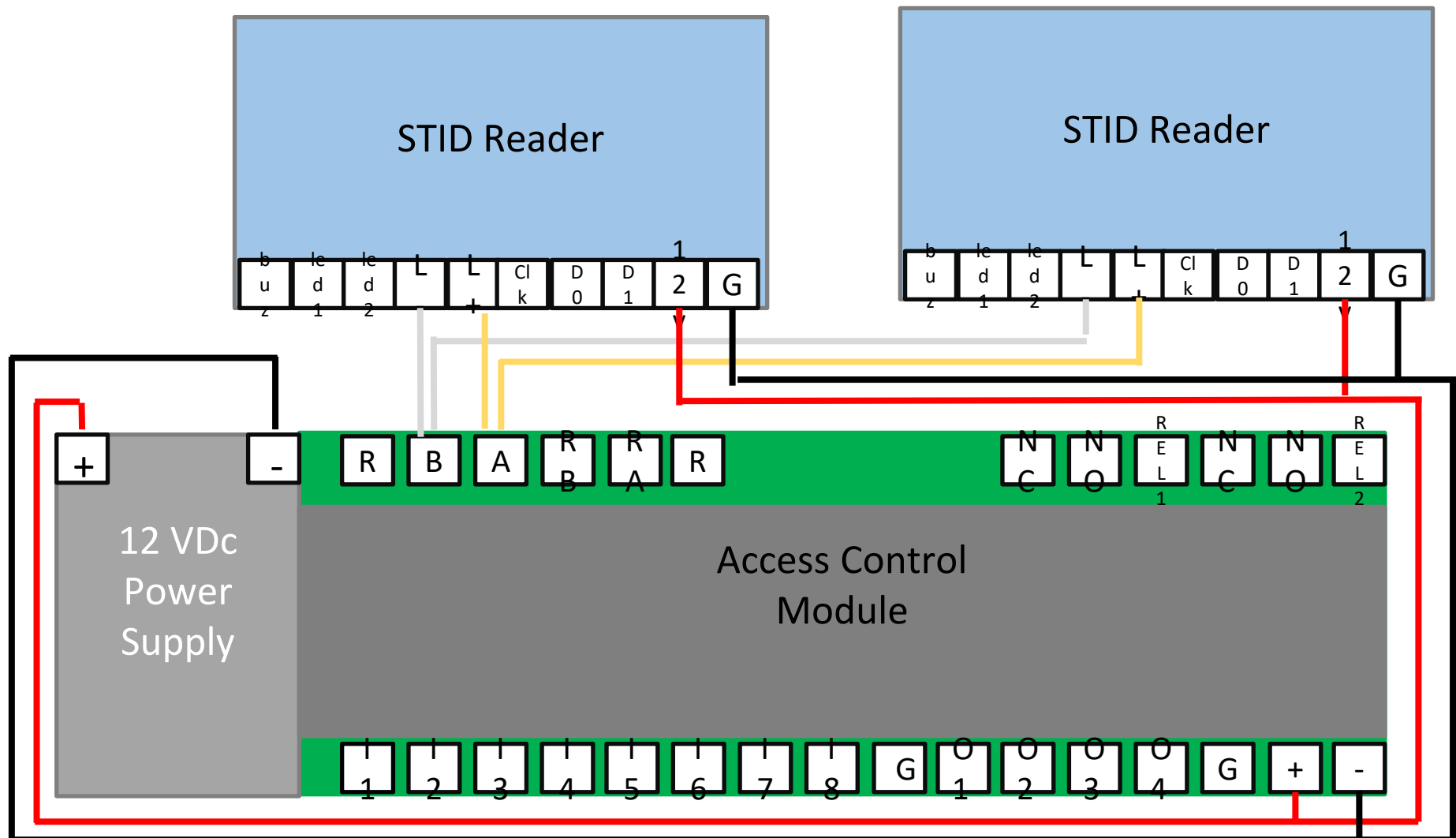
12VDC power supply
bridged with the ones of
the access control module

White	Yellow	Red	Black
L-	L+	+12V	0v

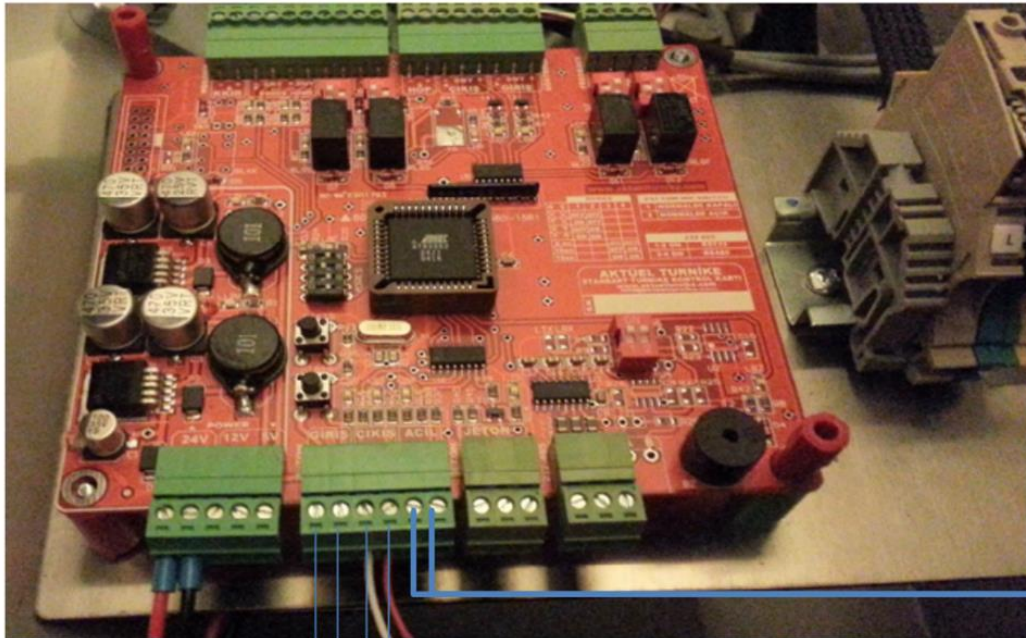
Wiring diagram for 1 STID reader



Wiring diagram for 2 STID readers



Turnstile motherboard and reader control cable wiring



Dry contact NO: emergency, can be connected to an emergency exit button or fire protection system

Dry contact : control opening of direction A

Dry contact : control opening of direction B

Depending on turnstile install orientation, enter control can be whether direction A or direction B dry contact.
To decide which one to use, a simple test can be realized with a shunt

Wiring diagram turnstile and module

