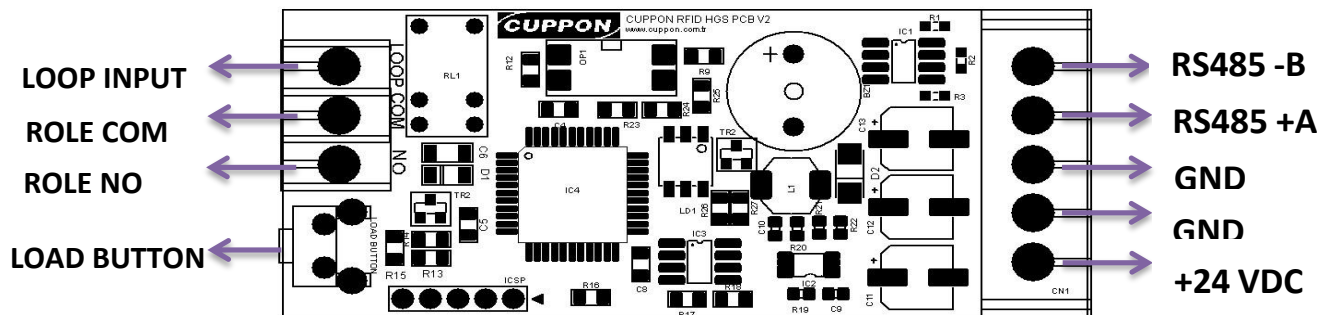


SHG-10 RFID AUTOMATIC ACCESS SYSTEM

Technical Specifications:

- Total 2.000 Label Identification
- Between RFID Antenna and Control Card Max. 100 Meter Cable
- Deleting All Memory Label Information with One Button
- Defining Labels without Button with Master Card
- 5-24 VDC Loop Detector Signal Input
- Dry Contact Output
- 12-24V DC Supply Voltage



- LOOP INPUT** : Loop Detector 5-24VDC Live Signal Head
ROLE COM : Dry Contact Energy Input
ROLE NO : Open End at Relay Normal
LOAD BUTTON : Delete and Add Tags Button
RS485 -B : RFID Antenna RS485 - B Signal Input End
RS485 +A : RFID Antenna RS485 + A Signal Input End
GND : Circuit Supply Voltage Minus Terminal
+24 VDC : Circuit Supply Voltage Live End

RFID ANTEN CONNECTION ENDS

No	Color	Details
1	Black	GND
2	Brown	GND
3	Red	+24V
4	Orange	GPIO2 / Wiegand 1
5	Yellow	GPIO1 / Wiegand 0
6	Green	GPI
7	Blue	Network receiver negative end
8	Purple	Network receiver positive end
9	Grey	Network transmitter negative end
10	White	Network transmitter positive end
11	Light blue	RS485 negative (-B)
12	Light Green	RS485 positive (+A)
13	Brown – White	RS232 Serial Port Receiver (RX)
14	Black - White	RS232 Serial Port Transmitter (TX)

Led Display States:

Red Led Flash: There is no label defined on the Control Card, the memory is empty.

Red LED is steady: There is a defined label (s) on the control card.

Blinking Blue Led: It gives a warning when an unidentified card is read or when you have the same card read again in identification mode.

White Led Flash: When the master card is scanned, the identification mode becomes active and the White Led flashes.

Yellow Led Flash: Yellow Led flashes 5 times when the card is recognized while the identification mode is active.

Green Led steady: When the identified card is read, the Green Led lights up and the relay output becomes active.

ATTENTION: RF ID Antenna becomes active 20 seconds after energized. In this case, the LEDs on the control card light up green-red-blue and the antenna is expected to be ready. At the end of 20 seconds, the system becomes ready by giving an audible warning.

Add Tags:

- A- Adding Tag with Master Card: Master card is shown to RF ID antenna, white LED flashes on the control card and identification mode becomes active. The cards to be introduced are read to the RF ID antenna, respectively. For the card whose recognition process is successful, the led on the control card lights up yellow and flashes.

- B- If the introduced label is tried to be add again, the blue led will flash and warn. If there are no more tags to add, wait, the device automatically exits the identification mode and gives an audible warning.

- C- Adding Label with Button: Press the load button without taking your hand until the LED light flashes White. If the white LED flashes, it means that the introduction mode has been activated. Repeat the above-mentioned introductions.

Deleting a Label:

While the control card has no power, keep the loading button pressed and feed the card. A long beep is heard with white light. If the deletion is successful, the led light will turn red and flash.

Note: The master card is never deleted, it can only be changed.

Master Card Replacement:

The master card is shown to the RF ID antenna or the identification mode is switched by pressing the load button.

While the introduction mode is active, the loading button is pressed 5 times in a row and pulled. At the end of this process, the White LED flashes. If the tag we want to make a master card is shown to the RF ID antenna, the led flashes yellow, it means the master card replacement is successful.