



Operational Description

FCC ID: ZQWG1T000001

The device is a contactless reader based on the ISO/IEC 14443 Type A 13.56MHz standard.

It supports Mifare Classic protocol, a NXP-semiconductor owned trademark and is able to recognize, read and write Mifare Classic transponders.

RF antenna is a PCB antenna embedded into the module itself and typical operating distance is 5mm.

This device is not stand alone, it is a slave device of a master-slave system.

It must be connected to a master device by a cable.

This cable allows:

- Powering: 12VDC by the master;
- Data communication:
 - Based on standard RS232 interface with the following settings:
 - Speed (baud): 9600 or 38400bps (self recognizing);
 - Parity: None;
 - Data bit: 8;
 - Stop bit: 1;
 - Flow Control: None;

Serial software protocol is a Technogym owned protocol.

The device continuously checks if a Mifare transponder is in its working range performing time interleaved broadcasting interrogation. In case a transponder answers at the device, the data contained in the former is read by the module and communicated to the master.