AR-MUPW

Technical Manual

Package content

- 1x reader
- 1x set of screws
- 1x English manual

Introduction

The AR-MUPW reader is factory set
to read multiple types of technologies:

- Bluetooth - 32 bit (Apple iOS and Android)
- NFC Credentials - 32 bit (Only Android)
- Mifare Classic UID - 32 bit
- EM - 32 bit
- PIN Code - 8 bit burst

Through the configuration app it is possible to change these settings and disable/enable the allowed technologies, including:

- HID Proximity - output controlled by credential

Technical data

Application	Indoor and outdoor
IP Class	IP65
Connection voltage	+9 ... 15 VDC
Current	Max. 90mA
Temperature	-40°C ... +60°C
BLE	Bluetooth 4.x, Bluetooth 5.x
Dimensions	42,8 x157,8 x 16 mm.
Maximum cable lenght	with 22 AVG 0,325 mm2 = 90 meter
Maximum cable lenght	with 18 AVG 0,812 mm2 = 150 meter

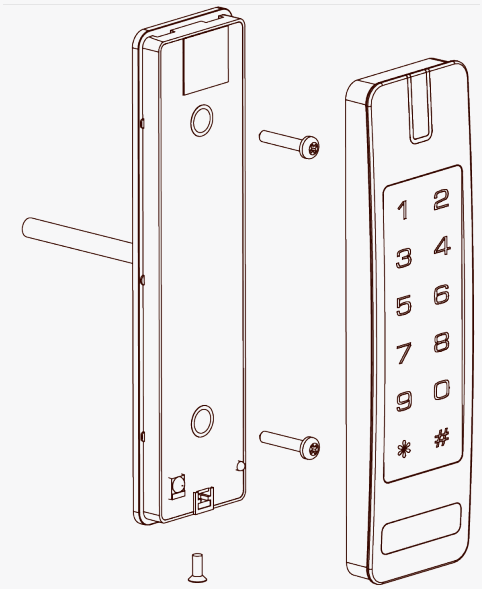
Connection details

The AR-MUPW reader features a molded cable.

When using an external power supply for the reader, the reader and access control equipment must have a common ground.

With most access control systems it is desirable to connect the brown and orange wire to the LED control of the access control panel (emulating 1-wire control).

Cable connection details	
Green	Wiegand data 0
White	Wiegand data 1
Red	9-15VDC (+)
Black	Gnd MIN (-)
Brown	Red LED (control inverted)
Orange	Green LED
Blue	Buzzer
Yellow	Hold (blocking)



Important to take into account

- Mounting on metal will decrease the reading range
- In relation to the reading range, we advice to connect the reader to 12Vdc
- The reading range depends on the card/sticker/tag
- Do not connect the shielding of the cable on the reader side
- Place readers minimum 40 cm from each other
- Cut off and shield unused conductors

Mobile applications

U-Prox Mobile ID

U-Prox Mobile Config

The reader is delivered without a configuration password. To edit the configuration, connect the green and white cable (without these being connected to the access control) and put voltage on the reader. In this mode it is possible to setup a configuration password, so that this wire connection is no longer needed to make configuration changes.