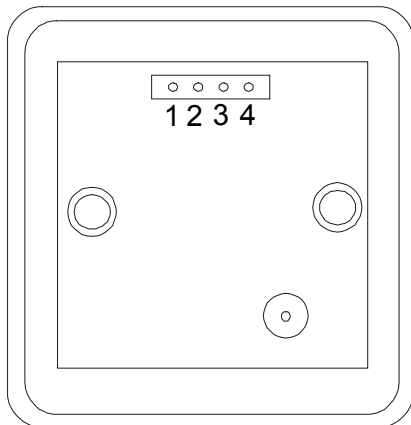UW-MDN is RFID reader module working on the principle of contactless reading data from Mifare transponder (ISO 14443-3).

Mifare transponder has 32-bit identification number stored in it (ID numbers are different for each transponder). Reader sends this number via 1-wire Bus in format DS1990. Only READ_ROM 1-wire command are supported.
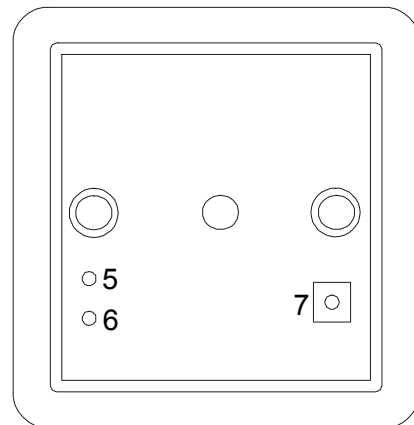
Technical Data

Supply voltage	7...16V
Supply current	30...100 mA
RF module working frequency	13,56 MHz
Red led voltage	0…9V
Max. Read distance	6 cm (MAX.)
Antenna	Build into device
Transmission	1-wire (dallas)
Dimensions	82 x 82 x 22 mm
Distance between screws	42 mm

Connections

Back view   Front view

item	description
1	Supply voltage
2	Ground
3	1-wire (output of data)
4	Red LED input
5	Red LED
6	Green LED (supply power)
7	Button (pull down of data bus)