RFID Reader
UW-DAL
UWDAL-SummaryDTR-01.04

NETRONIX

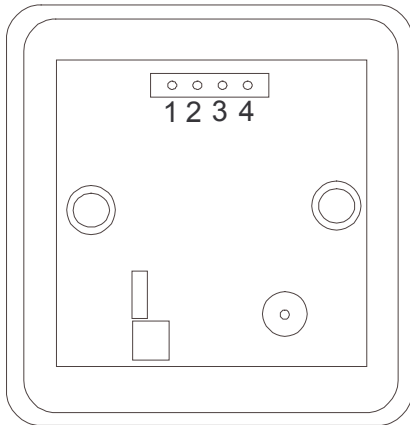**UW-DAL is RFID reader module working on the principle of contactless reading data from Unique transponder (EM MICROELECTRONIC MARIN SA - P4150).**

Unique transponder has "Read Only" memory with 40-bit identification number stored in it (ID numbers are different for each transponder). Reader sends this number via 1-wire Bus in format DS1990.
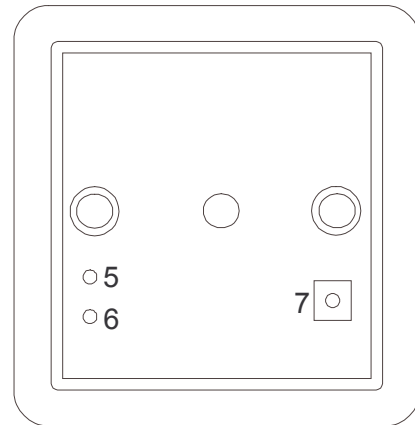
Technical Data

Supply voltage	7...25V
Supply current	30...55 mA
RF module working frequency	125 kHz
Data receiving speed (from transponder)	RF/64 (1953b/s)
Red led voltage	0…14V
Max. Read distance	15 cm (MAX.)
Antenna	Build into device
Transmission	1-wire (dallas)
Dimensions	82 x 82 x 22 mm
Distance between screws	42 mm
Maximum supply voltage	+/- 30 V

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)