

Technical Manual for the 1-Wire ID-Button Reader

Version 2.00



Introduction

This manual contains technical documentation allowing easy installation and use of the 1-Wire ID-Button (iButton) reader. Each ID-Button has a unique ID, which makes the identification of persons/items very easy.

The ID-Button reader is supported by most RTCU devices available.

The 1-Wire bus is a single wire (plus ground) communication bus, which is easy to install as it only consists of two wires. In addition, an LED is located in the middle of the reader for user indication. This LED has a dedicated wire.

For information on the software configuration of the RTCU device, please refer to the RTCU IDE on-line help.

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Ordering Information

Order-code	Description
RT-O-1W-IDRD2	1-wire ID button reader with open wires.
RT-O-1W-IDRD3	1-wire ID button reader for the RTCU MX2 / NX-200.

Graphical view



1-Wire ID-Button Reader with
open wires



1-Wire ID-Button Reader for
the MX2 / NX-200

Connections

RTCU NX-200 / MX2 series

The reader is delivered with a 12-pole connector. Connect this directly to the RTCU NX-200 or the RTCU MX2 device.

Open wire version

The reader is supplied with three wires prepared for connection to screw terminals. The color and function of the wires are listed in the table below:

4x0.34mm² cable

Color	Description
Green	1-Wire bus
Brown	LED indicator
White	Ground