Modular 1-Wire ID-Button Reader

RT-O-1WM-IDRD3 / RT-O-1WM-IDRD10

The modular 1-Wire ID-Button reader is a digital reader for ID-Buttons which also includes a LED indicator. Together with the RTCU and unique ID-Buttons the identification of persons or items is made easy. The ID-Button reader and the RTCU unit communicate through the 1-Wire interface using only a single wire for data, a wire for LED indication and a ground reference. The modular 1-Wire concept makes installation extremely easy and highly flexible.

The modular 1-wire ID-Button reader features an easy to install and easy to use 1-Wire ID-Button reader with controllable LED indicator. The ID-Button reader can be used with the RTCU X32 units which supports the 1-Wire interface – for a full list of units supported please refer to the relevant datasheet or technical manual. The modular 1-Wire ID-Button reader are delivered with a RJ-45 connector for easy connection to the modular 1-Wire network via a combiner or splitter allowing easy installation in any application. The ID-Button reader offers a way to uniquely identify persons or items equipped with ID-Buttons. The communication between the RTCU unit and the ID-Button reader is done through the 1-Wire interface, requiring a single data wire, a ground to establish the data connection, an extra wire is dedicated for controlling the LED present in the ID-Button reader. No external power supply is needed as the ID-Button reader derives power directly from the 1-wire bus simplifying application set-up. From the RTCU application reading an ID-Button and controlling the LED indicator is easily done with function call. ID-Buttons with on-board non-volatile memory is also available for storing data directly in the ID-Button. Please consult the RTCU IDE on-line help for more information about the supported 1-Wire ID-Button Reader functions.

The modular 1-Wire ID-Button reader can be delivered in two length; 3 or 10 meters of cable with a RJ-45 for easy installation into the modular 1-Wire network. If another length is required the modular 1-Wire network is easy expandable with a combiner or splitter and a standard network cable.

Key features:

- ❖ Unique ID-Button reading
- ❖ Maxim 1-Wire interface
- ❖ Wide temperature range

- ❖ Easy and flexible installation
- ❖ Integrated LED indicator
- ❖ No power supply requirements

	Min	Typ	Max		
Operating temperature range	-40	-	+70	ºC	
Mounting hole diameter		18		mm	
On-board non-volatile memory			116	bytes	Memory only present on RT-O-1W-ID2
Communication interface	Maxim 1-Wire				
Maximum connected readers			1		
Cable length		3 or 10		m	Expandable with standard RJ45 UTP cabling.

Technical data subject to change

For more information:

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