

# Open Protocol Readers

3001: The Conlan protocol  
3002: The OSDP protocol  
(Open Supervised Device Protocol)  
3003: The MODBUS protocol

## User manual





## Introduction

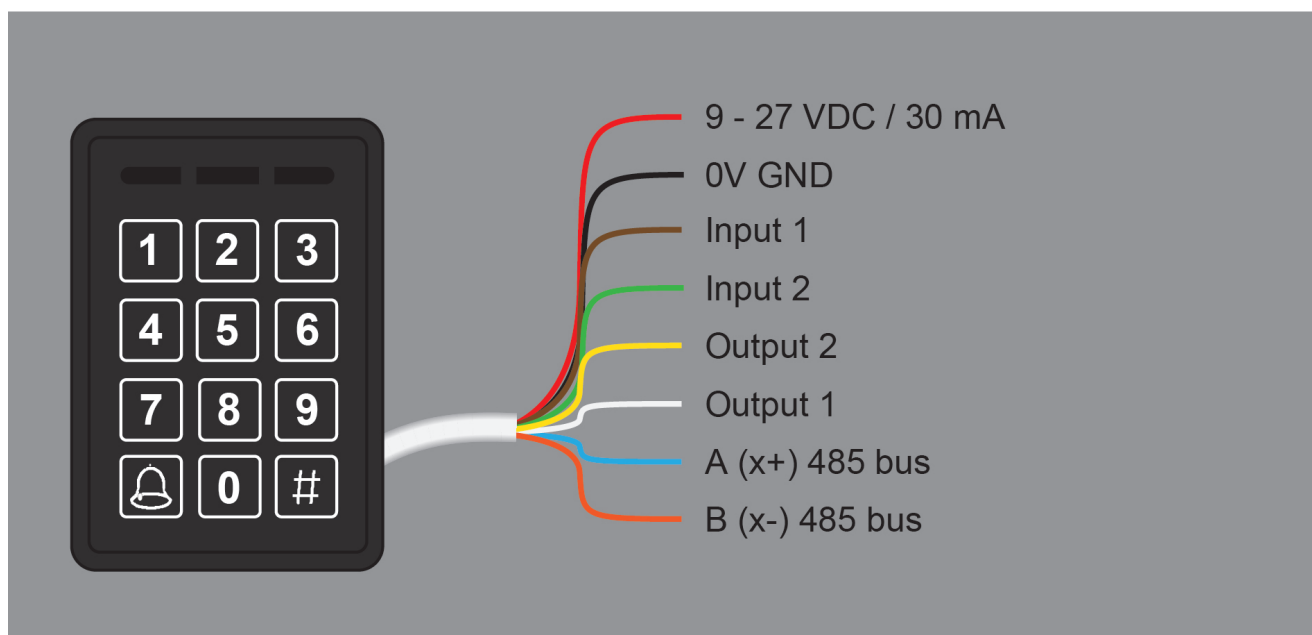
The Open Protocol readers from Conlan are used mostly as personal identification for access, for processing, for security etc.

All readers are equipped with a 2,5m 8 core cable.

## Installation

Mount the reader on a even surface.

Connect the wires to power supply, door strike, assembly board etc.



### Conlan reader options:

All communications to/from the reader over the 485 commands can activate the output (500 mA). The 2 outputs can i.e. be for the door and for the alarm.

The 2 inputs can be used to view the status of the door. The exit button is controlled by 485-communication and from your controller you can manage all settings.



## Setup

The 3001 Conlan protocol can be defined and customised on request - to that there is also a test program. The program is event controlled on Baud rate 19200.

The 3002 OSDP protocol which we manage both for the secure channels with 128 bit AES encrypted, and the not encrypted version. The controller is polling the reader and work on Baud rate 38400. On request you can use a test program.

The 3003 MODBUS protocol is mostly used in the automation industry in cooperation with PLL. Works as standard on baud rate 19200.

## Available readers with open protocol

CP: Combined keypad and proximity reader (Atmel and Emarine).

CB: Combined keypad and Bluetooth reader.

CM: Combined keypad and Mifare reader.

M: Mifare reader.

P: Proximity reader (Atmel and Emarine).

D: Display for status and event indications.

See the pictures of the different readers on [www.conlan.eu](http://www.conlan.eu).

The Conlan readers work together with different tags/cards such as:

EM4102

Atmel

ISO 14443A

Mifare Ultralight, Mifare Plus, Mifare Classic, Mifare Desfire (proximity cards).

ISO 14443B

Pass port, Garman ID cards (proximity cards).

ISO 15693

ICODE, iClass, Skidata (vicinity cards).



Thank you for choosing Conlan's products.

For further assistance, please contact  
our support service.