

RA0002

Digital I/O Interface Unit



Overview

The CAEN RFID **RA0002** Digital I/O Interface Unit provides an easily accessible interface to the CAEN RFID readers' digital inputs and outputs in order to connect external devices such as motion sensors, lightstacks and audible alarms.

The **RA0002** kit includes a dedicated cable for the R4301P – ION reader.

Features

- 4 input - 4 output - 1 relay SPDT
- 9Vdc to 36Vdc Supply Voltage Range
- DB 15 connector
- Push in PCB terminals
- Output current limitation

Technical Specification Table

Function	Digital I/O interface unit
Connection	DB15 (connection to the Ion R4301P reader)
Terminals	Push-in PCB terminals
Supply Voltage Range	- 9V DC ÷ 36V DC - 24V DC typical
Input Terminal Ratings	9V DC ÷ 48V DC (for each line)
Input resistance	3k Ohm (typ.)
Output Terminal Ratings	0 ÷ 500 mA (shared by all the external loads)
Output Breakdown Voltage	60 V DC
I/O Isolation	750 Vms
Relay Nominal	5A, 240V AC
Relay Max Switching Voltage	400V AC
Relay Expected Life	- Mechanical: 15x10 ⁶ cycles - Electrical: 1x10 ⁴ cycles @ 5A, 250V AC, 6 cycles/min
User Interface	- Green LED: power - Yellow LED: selected GPI/O information
IP Rating	IP 30
Operating Temperature	-20 °C to 60 °C
Humidity	5% to 95% (non-condensing)
Dimensions	- (L) 131 x (W) 39.6 x (D) 13.5 mm ³ - 5.16 x 3.7 x 1.4 inch ³
Weight	200 g.

Ordering Options

WRA0002XAAAA RA0002 - Digital I/O Interface Unit

WRA0002XKITA RA0002 - Digital I/O Interface Unit KIT