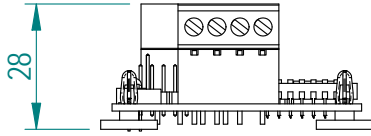


# CONTROL UNIT ADAPTOR CUADAP

## CONTROL UNIT ADAPTOR



The Control Unit Adaptor is designed to give some data of the RW carriers read by a Control Unit to an external device, usually a Time and Attendance (T&A) terminal.

The Control Unit Adaptor is connected by one side to a SALTO Control Unit, CU5000, CU50EN, CU50ENSVN (CUx010 not included) and by the other side to the external device.

## EXTERNAL DEVICE CONNECTION

The interface with the external device can be RS232, OMRON and WIEGAND. The connection is made through a 4 pins block terminal.

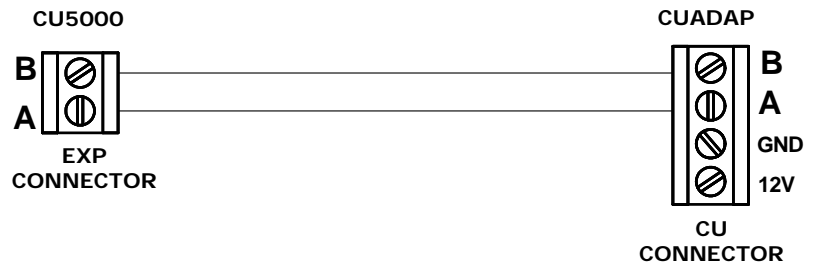
The functions of the 4 pins connector are different depending on the selected type of interface:

Interface Connector	Rx/D0	Tx/D1	⏏	+V
RS232	RX	TX	GND	+V
OMRON	CLOCK	DATA	GND	+V
WIEGAND	D0	D1	GND	+V

When a carrier is read by a control unit it sends to the CUADAP the requested data and the CUADAP sends the data to the external device giving simultaneously a valid signal (the led must light).

## CONTROL UNIT CONNECTION

The CUADAP is connected to the CU5000 through the CU connector:



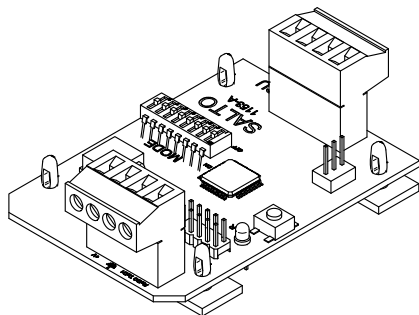
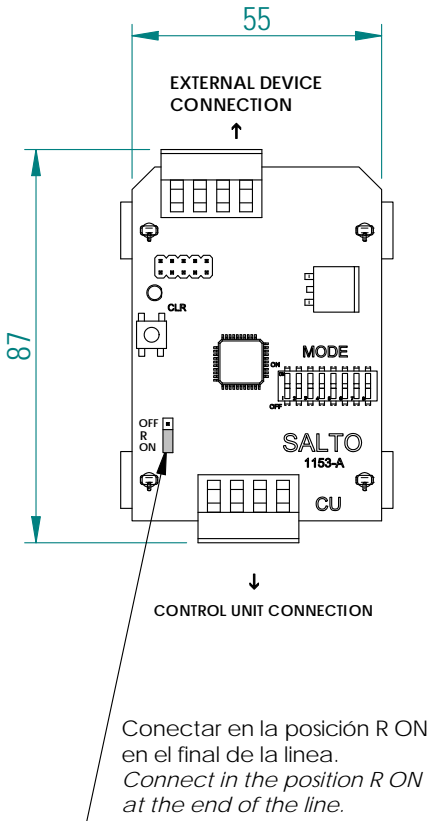
## POWER SUPPLY

The Control Unit Adaptor is powered with a voltage between 7 and 15 volt from the external device through inputs ⏏ and +V or can be powered From the Control Unit through inputs GND and 12V.

The typical current consumption is 15 mA (maximum 30 mA).

## CUADAP

The device comes from factory prepared to receive information on track 1 and gives the data through a Rs-232 interface at 19200 bauds, 8 data bits and no parity. See table 1.

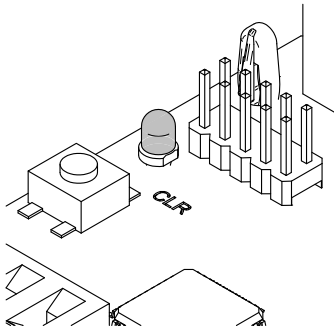


# CONTROL UNIT ADAPTOR CUADAP

## CLR BUTTON

The CLR Button permits to make a quick diagnosis of the power supply and the link with the CU5000. The led beside the button lights as long as the CLR button remains pressed. It also lights for a moment each time a carrier is read by the CU5000 and the data according to the dipswitches setting are received from it and sent to the external device.

The Led also lights after pushing momentary the CLR button of the CU5000 confirming that the link with it has been established.



## DATA AND INTERFACES

Please, see " Desktop Reader Manual " document for data and Interface details.

## CONFIGURATION DIP SWITCHES

The configuration dip switches control the data to be sent, the kind of interface with the external device and the link between the CUADAP and the readers connected to the CU5000.

TABLE 1 (V 02.04)

RS-232 INTERFACE 2 LEFT FIRST SWITCHES MODE = OFF		
DIP SW. MODE	Data	Interface
00XX0001	Track 1	19200 bauds, 8 data bits-no parity.
00XX0010	Track 2	19200 bauds, 8 data bits-no parity.
00XX0011	Track 3	19200 bauds, 8 data bits-no parity.
00XX0100	% + ROM 14+?	19200 bauds, 8 data bits-no parity.
00XX0101	Track 1	9600 bauds, 8 data bits-no parity.
00XX0110	Track 2	9600 bauds, 8 data bits-no parity.
00XX0111	Track 3	9600 bauds, 8 data bits-no parity.
00XX1000	% + ROM 14+?	9600 bauds, 8 data bits-no parity.
00XX1001	Track 1	Plain, 19200 bauds, 8 data bits
00XX1010	Track 2	Plain, 19200 bauds, 8 data bits
00XX1011	Track 3	Plain, 19200 bauds, 8 data bits
00XX1100	ROM 14	Plain, 19200 bauds, 8 data bits
OMRON AND WIEGAND INTERFACES. 2 LEFT FIRST SWITCHES MODE = ON.		
DIP SW. MODE	Data	Interface
11XX0000	Track 1	OMRON
11XX0001	Track 2	OMRON
11XX0010	Track 3	OMRON
11XX0011	% + ROM 14+?	OMRON
11XX0100	Track 1	WIEGAND
11XX0101	Track 2	WIEGAND
11XX0110	Track 3	WIEGAND
11XX0111	% + ROM 14+?	WIEGAND
11XX1000	ROM 56	WIEGAND
11XX1001	ROM 58	WIEGAND
11XX1010	WIEGAND CODE	WIEGAND
11XX1011	0x00+ SN (2 bytes)	WIEGAND 26
11XX1100	SN (3 bytes)	WIEGAND 26
11XX1101	SN (4bytes)	WIEGAND 34
11XX1110	Track 2	OMRON

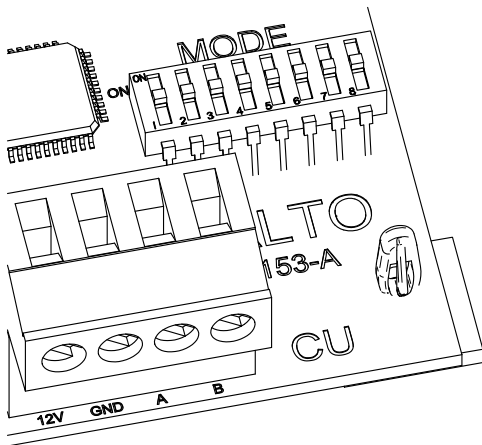


TABLE 2

DIP Switches (3 & 4)	
00	Linked with both readers: entry and exit.
01	Linked with entry reader.
10	Linked with exit reader.
11	Linked with both readers: entry and exit. It tells which reader is the source of data.

Please, see "Control Unit Adaptor Manual" document for details.