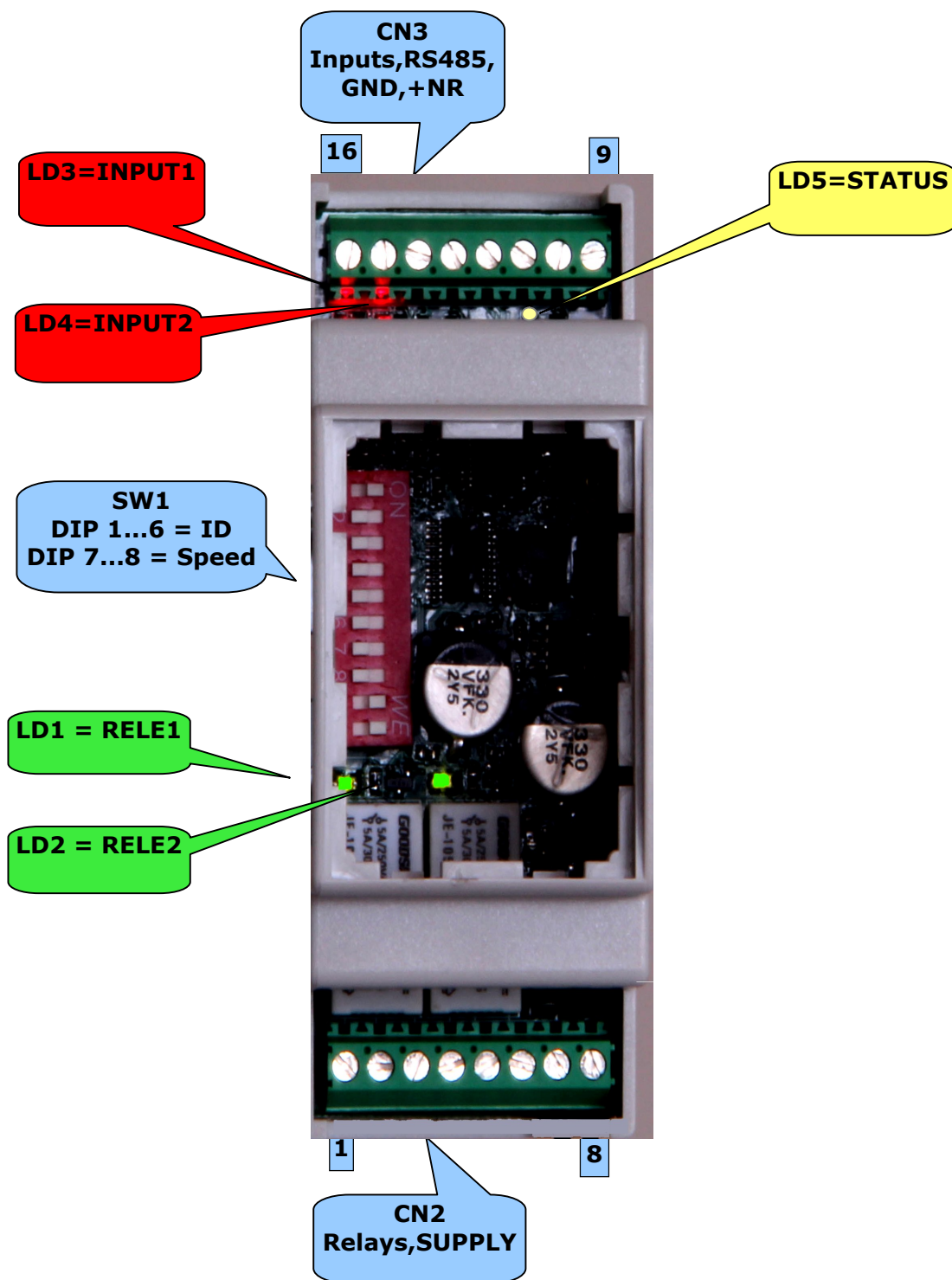


# SBox-2IO

Rev. 2.0.2





Progettazione e Realizzazione Apparecchiature Elettroniche

### **"LD1" RED LED:**

Relay1 is on

### **"LD2" RED LED:**

Relay2 is on

### **"LD3" GREEN LED:**

Input1 is on connected to GND

### **"LD4" GREEN LED:**

Input2 is on connected to GND

### **"LD5" YELLOW LED:**

Sbox-2IO status LED

### **CN2:**

|         |            |                             |
|---------|------------|-----------------------------|
| pin-1   | RELAY_1 NO | (MAX 5A@100V)               |
| pin-2   | RELAY_1 C  | (MAX 5A@100V)               |
| pin-3   | RELAY_1 NC | (MAX 5A@100V)               |
| pin-4   | RELAY_2 NO | (MAX 5A@100V)               |
| pin-5   | RELAY_2 C  | (MAX 5A@100V)               |
| pin-6   | RELAY_2 NC | (MAX 5A@100V)               |
| pin-7,8 | Supply     | (8..28Vdc/8..20VAC 5VA max) |

### **CN3:**

|        |                                                 |
|--------|-------------------------------------------------|
| pin-9  | +OUTPUT (supply for external devices MAX 1 Amp) |
| pin-10 | GND                                             |
| pin-11 | GND                                             |
| pin-12 | GND                                             |
| pin-13 | RS485_B (COM4 RS485)                            |
| pin-14 | RS485_A (COM4 RS485)                            |
| pin-15 | INPUT_2 (close to GND to activate)              |
| pin-16 | INPUT_1 (close to GND to activate)              |

## **Technical characteristics:**

- *CPU* Microprocessor 16bits 24MHz
- *SERIAL PORT* 1xRS485
- *OUTPUTS* 2xRELAY 5A@100V
- *INPUTS* 2xINPUT NPN
- *SUPPLY* 8..28Vdc/8..20VAC 15VA max
- *DIMENSION* DIN(EN60715) 2 modules 36x91x62mm
- *WEIGHT* 70g

**TECHNODRIVE Srl** -Via E.Ferrari, 7 20010 Arluno (MI) Tel. 02/903.77.887

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Cod.Fisc. e P IVA 13384950153 R.E.A. n. 1645258 Capitale Sociale 10.000 Euro int. vers.

## SW1 Dip-Switch only at Reset:

| Dip-8 | Dip-7 | Dip-6 | Dip-5 | Dip-4 | Dip-3 | Dip-2 | Dip-1 | ID,Speed |
|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| off   | off   | off   | off   | off   | off   | off   | off   | 1,19200  |

| Dip-6 | Dip-5 | Dip-4 | Dip-3 | Dip-2 | Dip-1 | ID           |
|-------|-------|-------|-------|-------|-------|--------------|
| off   | off   | off   | off   | off   | off   | <b>ID=1</b>  |
| off   | off   | off   | off   | off   | on    | <b>ID=1</b>  |
| off   | off   | off   | off   | on    | off   | <b>ID=2</b>  |
| off   | off   | off   | off   | on    | on    | <b>ID=3</b>  |
| on    | on    | on    | on    | on    | on    | <b>ID=63</b> |

| Dip-8 | Dip-7 | Speed        |
|-------|-------|--------------|
| off   | off   | <b>2400</b>  |
| off   | on    | <b>9600</b>  |
| on    | off   | <b>19200</b> |
| on    | on    | <b>38400</b> |

| Dip-9 |   |
|-------|---|
| off   | - |
| on    | - |

| Dip-10 | RS485 close resistor       |
|--------|----------------------------|
| off    | <b>open</b>                |
| on     | <b>3300hm from A&amp;B</b> |