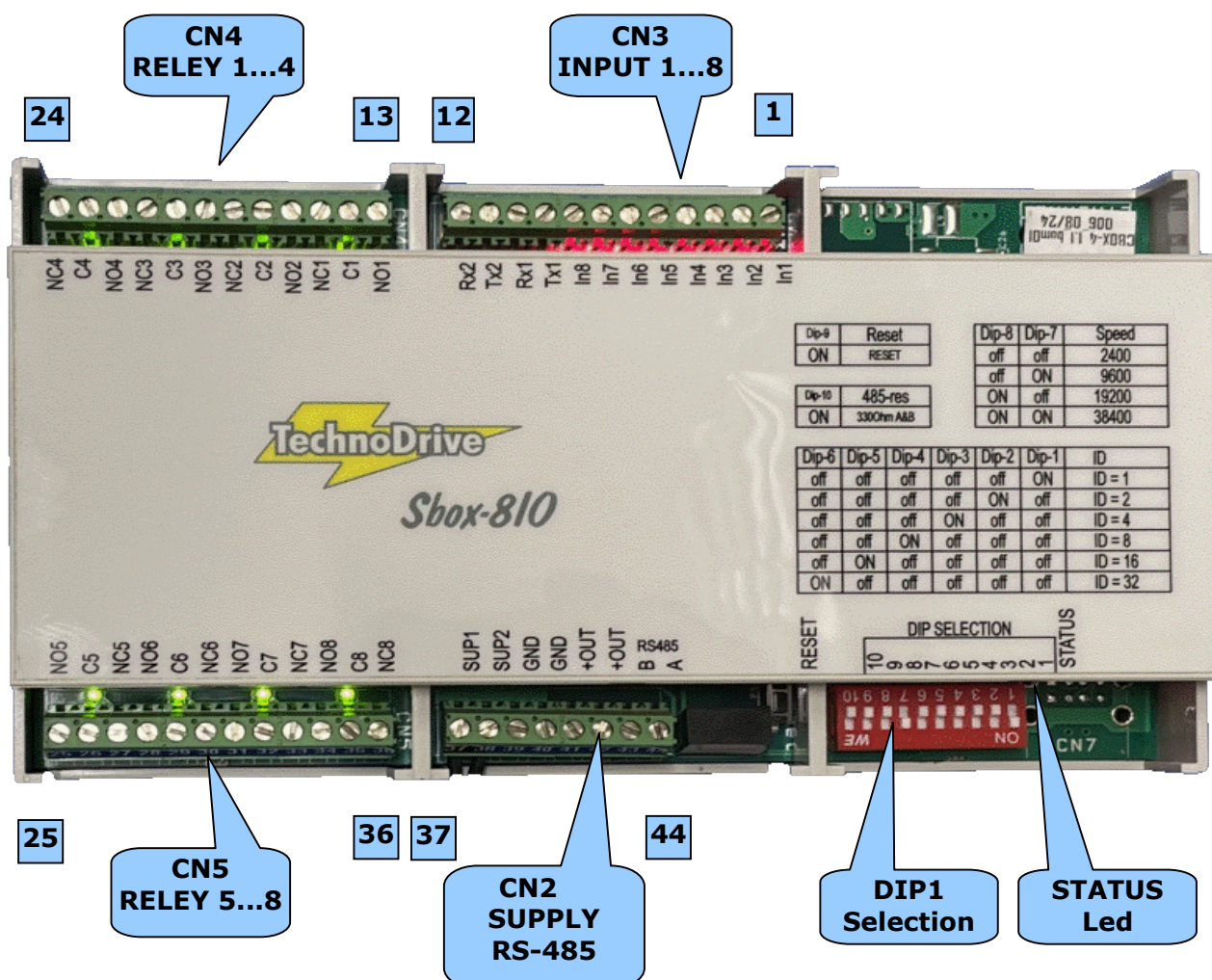


SBox-8IO

Technical Manual

rel 1.1_2



CN4:

pin-13	RELAY_1 NO	(MAX 5A@100V)
pin-14	RELAY_1 C	(MAX 5A@100V) , GREEN led ON
pin-15	RELAY_1 NC	(MAX 5A@100V)
pin-16	RELAY_2 NO	(MAX 5A@100V)
pin-17	RELAY_2 C	(MAX 5A@100V) , GREEN led ON
pin-18	RELAY_2 NC	(MAX 5A@100V)
pin-19	RELAY_3 NO	(MAX 5A@100V)
pin-20	RELAY_3 C	(MAX 5A@100V) , GREEN led ON
pin-21	RELAY_3 NC	(MAX 5A@100V)
pin-22	RELAY_4 NO	(MAX 5A@100V)
pin-23	RELAY_4 C	(MAX 5A@100V) , GREEN led ON
pin-24	RELAY_4 NC	(MAX 5A@100V)

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

Sede Legale : Via E.Ferrari, 7 20010 Arluno (MI)

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



Progettazione e Realizzazione Apparecchiature Elettroniche

CN5:

pin-25	RELAY_5 NO	(MAX 5A@100V)
pin-26	RELAY_5 C	(MAX 5A@100V) , GREEN led ON
pin-27	RELAY_5 NC	(MAX 5A@100V)
pin-28	RELAY_6 NO	(MAX 5A@100V)
pin-29	RELAY_6 C	(MAX 5A@100V) , GREEN led ON
pin-30	RELAY_6 NC	(MAX 5A@100V)
pin-31	RELAY_7 NO	(MAX 5A@100V)
pin-32	RELAY_7 C	(MAX 5A@100V) , GREEN led ON
pin-33	RELAY_7 NC	(MAX 5A@100V)
pin-34	RELAY_8 NO	(MAX 5A@100V)
pin-35	RELAY_8 C	(MAX 5A@100V) , GREEN led ON
pin-36	RELAY_8 NC	(MAX 5A@100V)

CN2:

pin-37	Supply_1	(8..24Vdc/8..18VAC 15VA max) *
pin-38	Supply_2	(8..24Vdc/8..18VAC 15VA max)
pin-39	GND	
pin-40	GND	
pin-41	+OUTPUT	(1A max)
pin-42	+OUTPUT	(1A max)
pin-43	Isolated RS-485_ "B"	(COM4 RS-485)
pin-44	Isolated RS-485_ "A"	(COM4 RS-485)

* Recommended 1A external Fuse

CN3:

pin-1	INPUT_1	(close to GND to activate, RED led ON)
pin-2	INPUT_2	(close to GND to activate, RED led ON)
pin-3	INPUT_3	(close to GND to activate, RED led ON)
pin-4	INPUT_4	(close to GND to activate, RED led ON)
pin-5	INPUT_5	(close to GND to activate, RED led ON)
pin-6	INPUT_6	(close to GND to activate, RED led ON)
pin-7	INPUT_7	(close to GND to activate, RED led ON)
pin-8	INPUT_8	(close to GND to activate, RED led ON)

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

Sede Legale : Via E.Ferrari, 7 20010 Arluno (MI)

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



Progettazione e Realizzazione Apparecchiature Elettroniche

DIP1 only at Reset:

Dip-6	Dip-5	Dip-4	Dip-3	Dip-2	Dip-1	ID
off	off	off	off	off	ON	ID=1
off	off	off	off	ON	off	ID=2
off	off	off	ON	off	off	ID=4
off	off	ON	off	off	off	ID=8
off	ON	off	off	off	off	ID=16
ON	off	off	off	off	off	ID=32

Dip-8	Dip-7	Speed
off	off	2400
off	ON	9600
ON	off	19200
ON	ON	38400

Dip-9	
off	default
ON	RESET

Dip-10	RS485 close resistor
off	open
ON	330 Ohm from A&B

Example: 1,7 =ON 2,3,4,5,6,8,9 =Off **ID=1 Speed=9600 n81**

Technical characteristics:

- *CPU* Single-Chip 16 bit @ 24MHz
- *SERIAL PORTS* Isolated RS-485
- *OUTPUTS* 8xRELAY 5A@100V (Green led)
- *INPUTS* 8xINPUT NPN (Red led)
- *SUPPLY* 8..24Vdc/8..18VAC 15VA max
- *POWER* 7W max (no OUTPUT load)
- *SOUND* Monotone Buzzer
- *DIMENSIONS* (W x H x D) mm 160 x 91 x 33 DIN (EN60715)
- *WEIGHT* 240g

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

Sede Legale : Via E.Ferrari, 7 20010 Arluno (MI)

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