TPROX-Ela+

TPROX proximity reader for ELA+ access control

TECHNICAL FEATURES

- Supply voltage : 12 V AC/DC
- Consumption with TPROX reader : Min. 75 mA - Max. 130 mA
- 2 outputs to relays (output 1, 5A and output 2, 1A) NO/NC
- Programmable output configuration as either start/stop or pulsed from 000 to 240 seconds.
- 2 indicator lights available
- Automatic lighting
- Pushbutton input for output 1
- Door sensing input (door forced open)
- Self-protection input

- Cut cable sensor
- Security blocking for 5 minutes after wrong code is entered 5 time
- ELA+ BUS CONNECTION
- **RS 485 BUS :**
  - Max cable lenght : 1 km
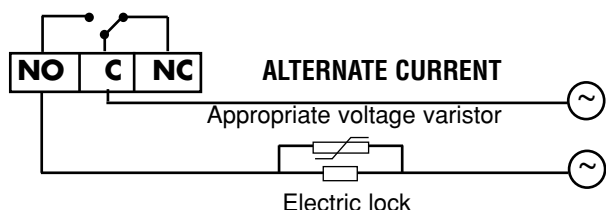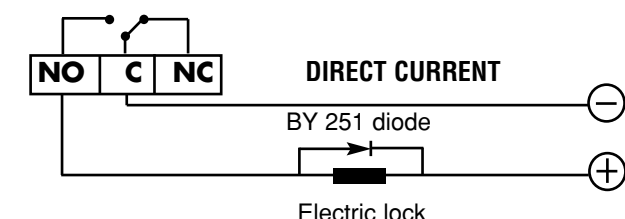 - Max. no of peripherals in one bus : 31

PERIPHERAL PROGRAMMING

1) Put programming switch in lower position **P**, yellow light will blink.
2) Put programming switch in upper position **N**, Yellow light will stay on.
3) Program peripheral operating parameters from central unit.

NOTE : You have a max. of 4 mn to do this. Yellow light will go off after this period.

NOTE : Peripherals can only work if they are programmed, otherwise problems may arise in the installation.
2 yellow flashes => ID accepted
More than 2 yellow flashes, immediatly => ID rejected
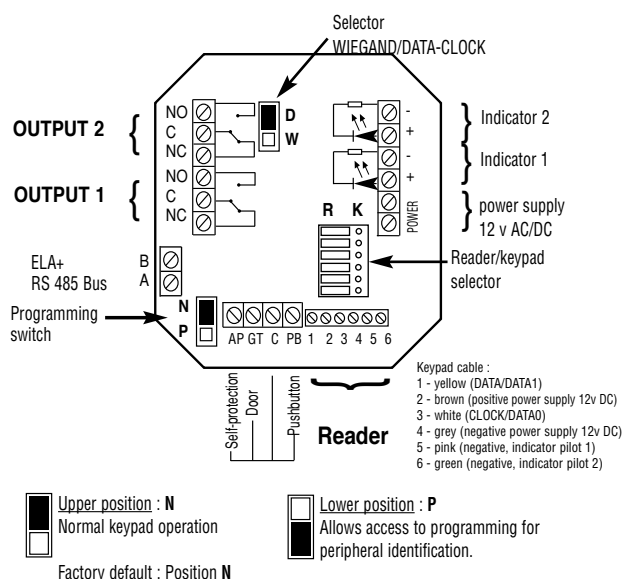More than 2 yellow flashes, delayed => communication error

INTERFACE CONNECTION

Upper position : **N**
Normal keypad operation

Lower position : **P**
Allows access to programming for peripheral identification.

Factory default : Position **N**

ELECTRIC LOCK CONNECTION

DIRECT CURRENT

BY 251 diode

Electric lock

ALTERNATE CURRENT

Appropriate voltage varistor

Electric lock

IMPORTANT!!
- **Do not install 2 proximity readers at a distance under 0,5 m from each other.**
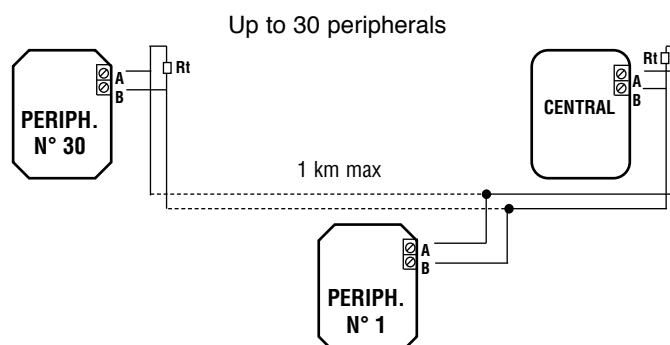- **You can only read the same TAG a second time after 3 seconds.**

INSTALLATION

Make sure the farthest peripheral is never supplied with a voltage uner 12 V. Some precautions are necessary :

Either :
- choose a cable with an appropriate diameter,
or:
- provide on-site power supplied for the peripheral.

CONNECTING TO THE RS 485 ELA BUS
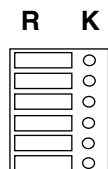
Up to 30 peripherals

1 km max

INTERFACE CONFIGURATION

• Configure T-PROX with DIPSWITHCH selector (located at the back) using WIEGAND 44 bits

- DIP1 => OFF
- DIP2 => OFF
- DIP3 => ON
- DIP4 => OFF

• Configure the interface to accept a T-PROX reader (reader/keypad position R, factory default position, as shown)

• Put the interface WIEGAND/DATA-CLOCK selector in position WIEGAND (W), factory default position.
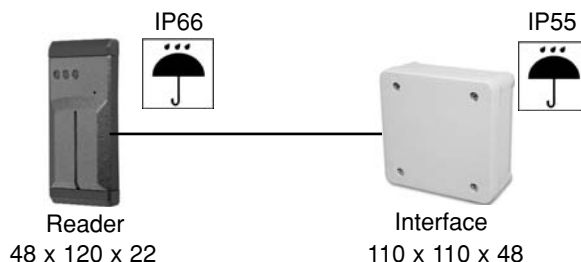
SENSING

A number of events can be detected through input ratios:

• **Door forced open**, NC contact wired to door input, between GT and C. The input ratio is executed in IN1.

• **Self-protection**, NC contact wired to self-protection input, between AP and C. The input ratio is executed in IN3. We recommend wiring both T-PROX self-protection cables and the surface box contact to this input.

• **Security blocking.** after wrong code is entered 5 times. The input ratio is executed in IN5. However, the unit will remain blocked for 5 minutes.

You can activate relay 1 with pushbutton NO wired to pushbutton input, between PB and C.

T-PROX READER INSTALLATION

SURFACE MOUNTING

Reader
48 x 120 x 22

Interface
110 x 110 x 48

WALL-FITTED INSTALLATION

Reader
48 x 120 x 22

102 x 102 x 5

Between centrelines : 78

Interface