ITALIAN STYLE FOR LIFTS

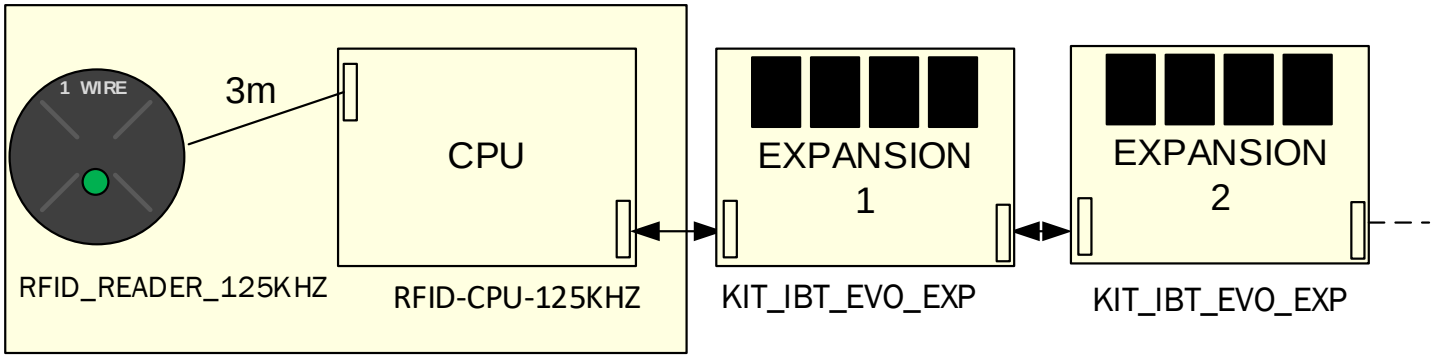
RFID-CPU

ENGLISH

HW_V.3

FW_0.9

Rev. 04



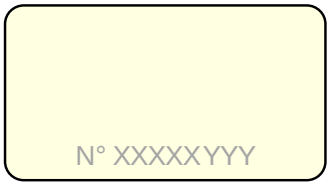
KIT-RFID-CPU-125KHZ

MAX 8 EXPANSIONS!

CODES :

RFID-CPU-125KHZ: CPU Board (1 output);
RFID-READER-125KHZ: RFID reader + 3 m cable;
KIT-RFID-CPU-125KHZ: CPU Board + RFID reader;
KIT_IBT_EVO_EXP: Expansion board for CPU, each board supports 4 programmable relay outputs;
KIT_IBT_EVO_SW: PC software for badges programming (+ cables for PC);

TESSERA RFID: RFID-CARD-125KHZ



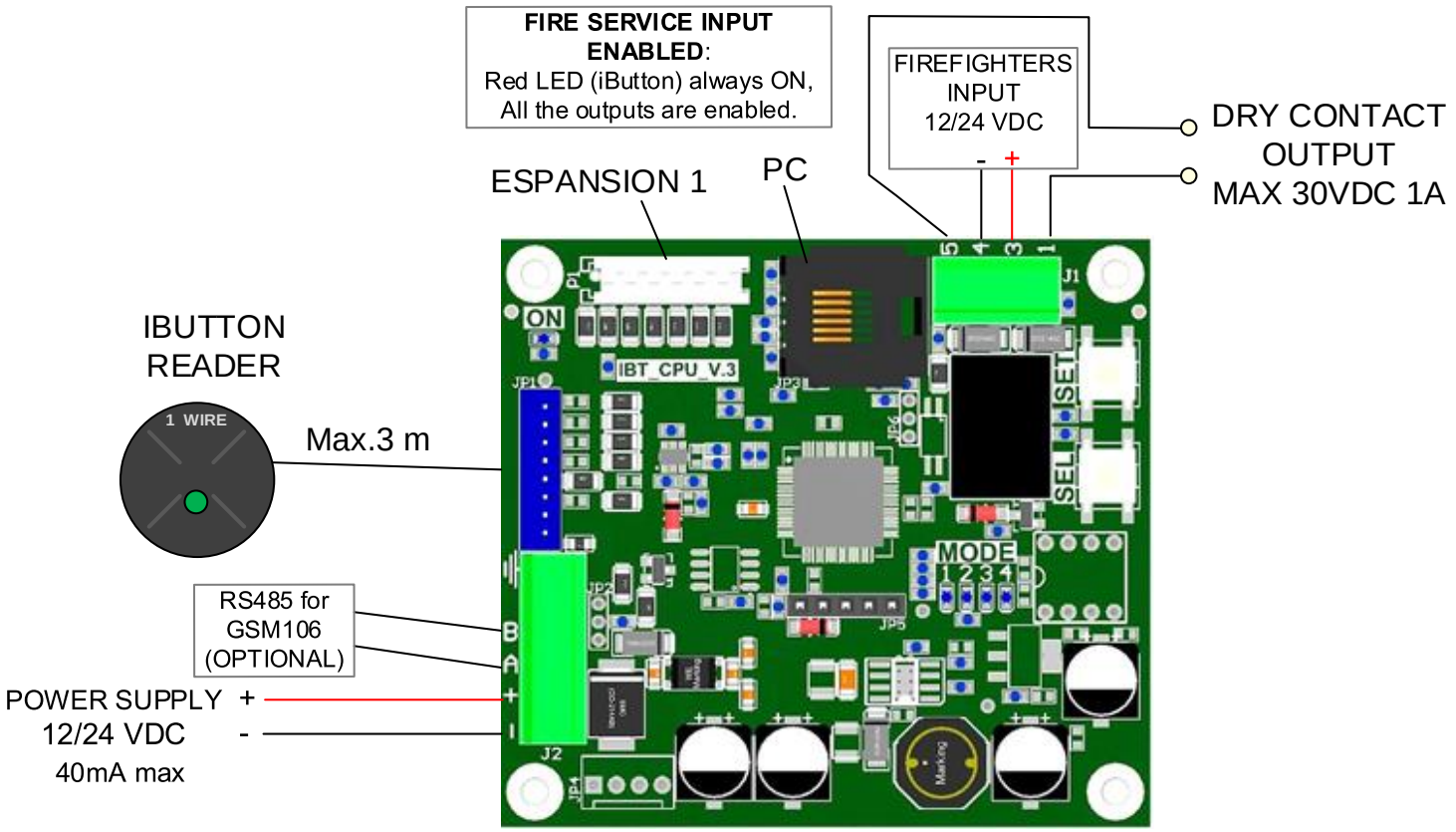
Max. number of programmable badges: 496

1 INTRODUCTION

The iButtonEVO RFID is a board for accesses control.
It is possible to program some keys to enable / disable specific outputs (pushbuttons).

You can use just a contact to lock a floor / the whole button panel (KIT-RFID-CPU-125KHZ), or associate more pushbuttons to each key (1 KIT_IBT_EVO_EXP each 4 pushbuttons).

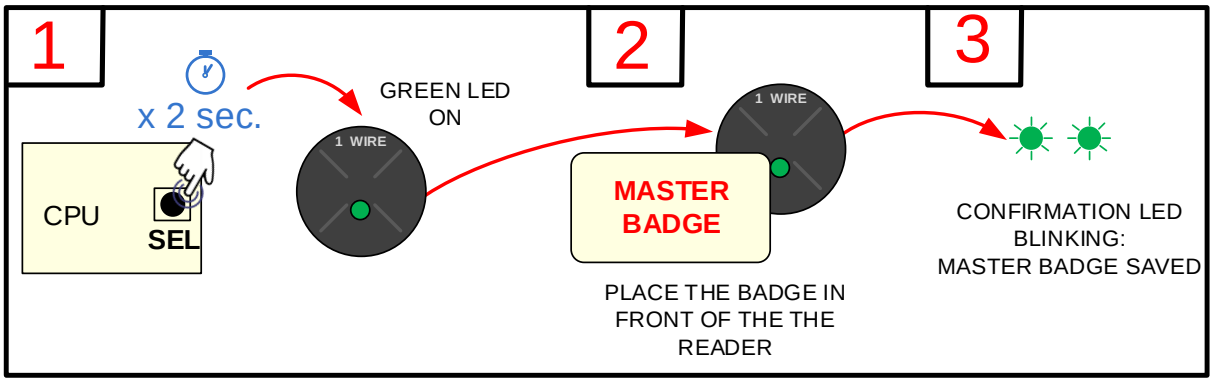
2 CPU BOARD PINOUT



RFID reader technical data:
Nominal frequency: 125KHZ
Reading frequency range: 119÷140 KHz
Reading distance: 0÷3 cm

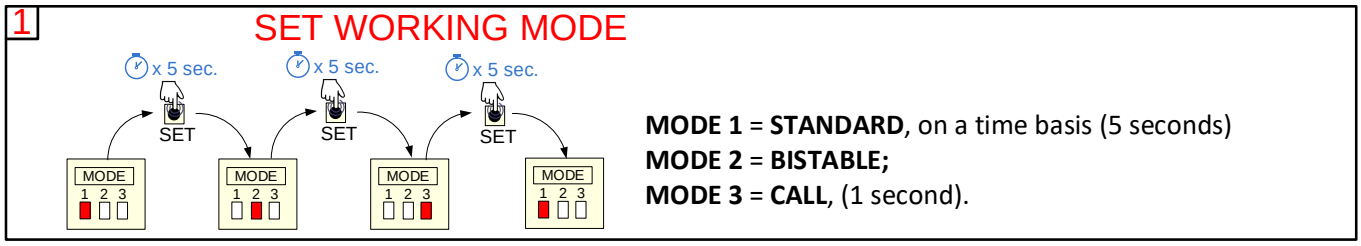
3 PROGRAMMING

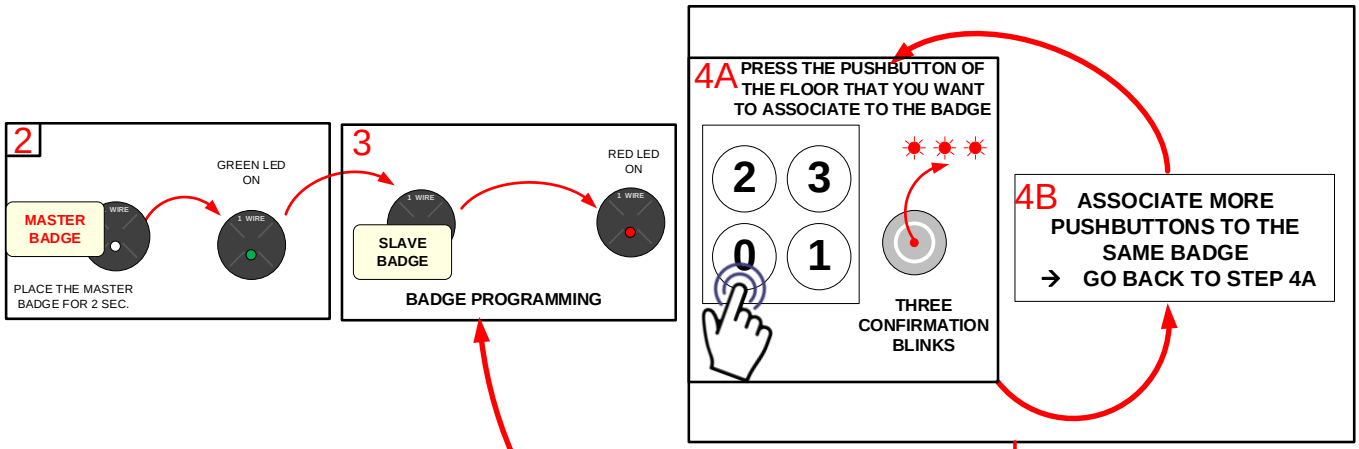
MASTER BADGE



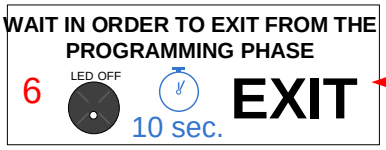
SLAVE BADGES

The badges working mode (**LED MODE**) is set during the programming phase.

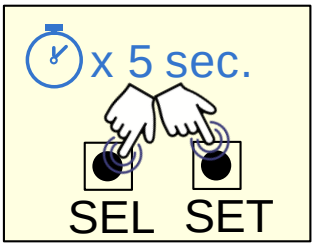




NOTE (STEP 4A):
THE PUSBUTTON PRESSURE MUST CORRESPOND TO THE CLOSURE OF THE CONTACTS +9V and CPx

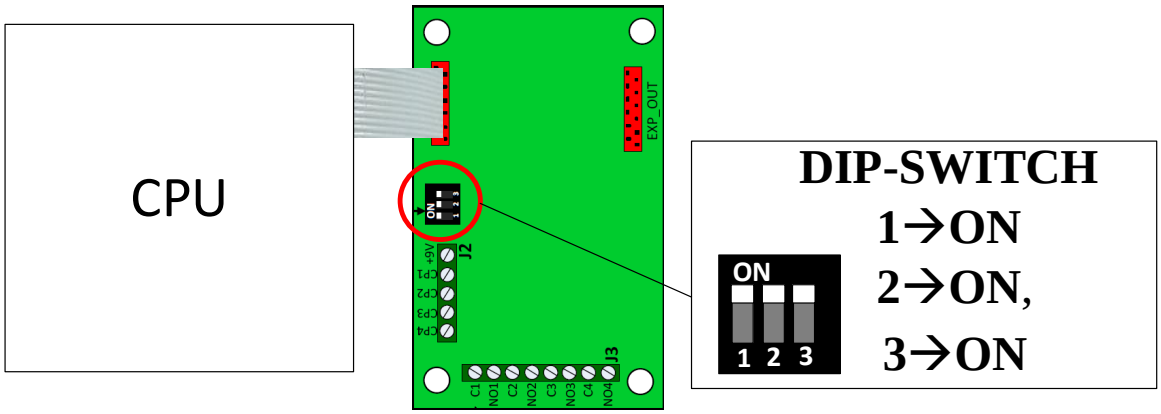


4 MEMORY CLEARANCE (DEFAULT)

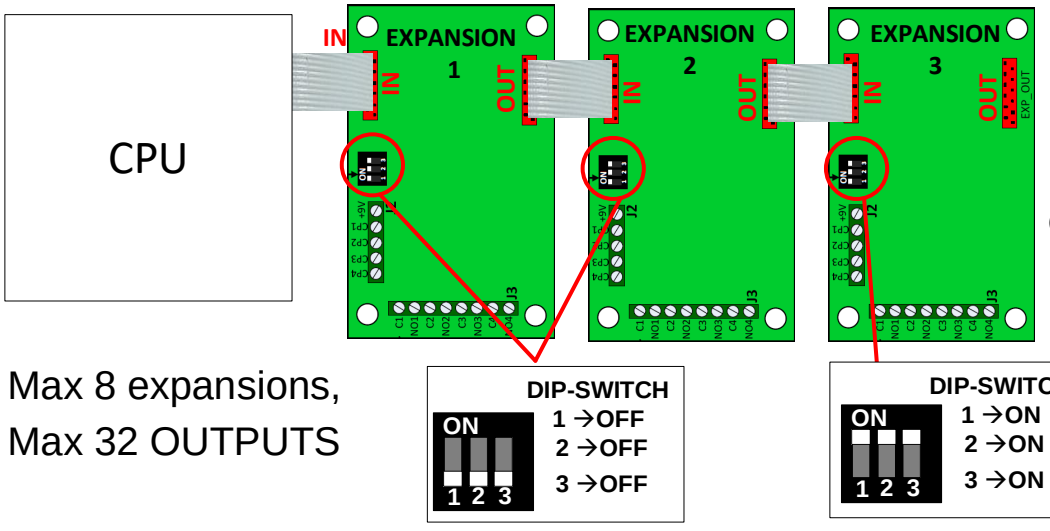


5 EXPANSIONS CONNECTION

EXAMPLE WITH 1 EXPANSION (4 OUTPUTS):



EXAMPLE WITH 3 EXPANSIONS (12 OUTPUTS):

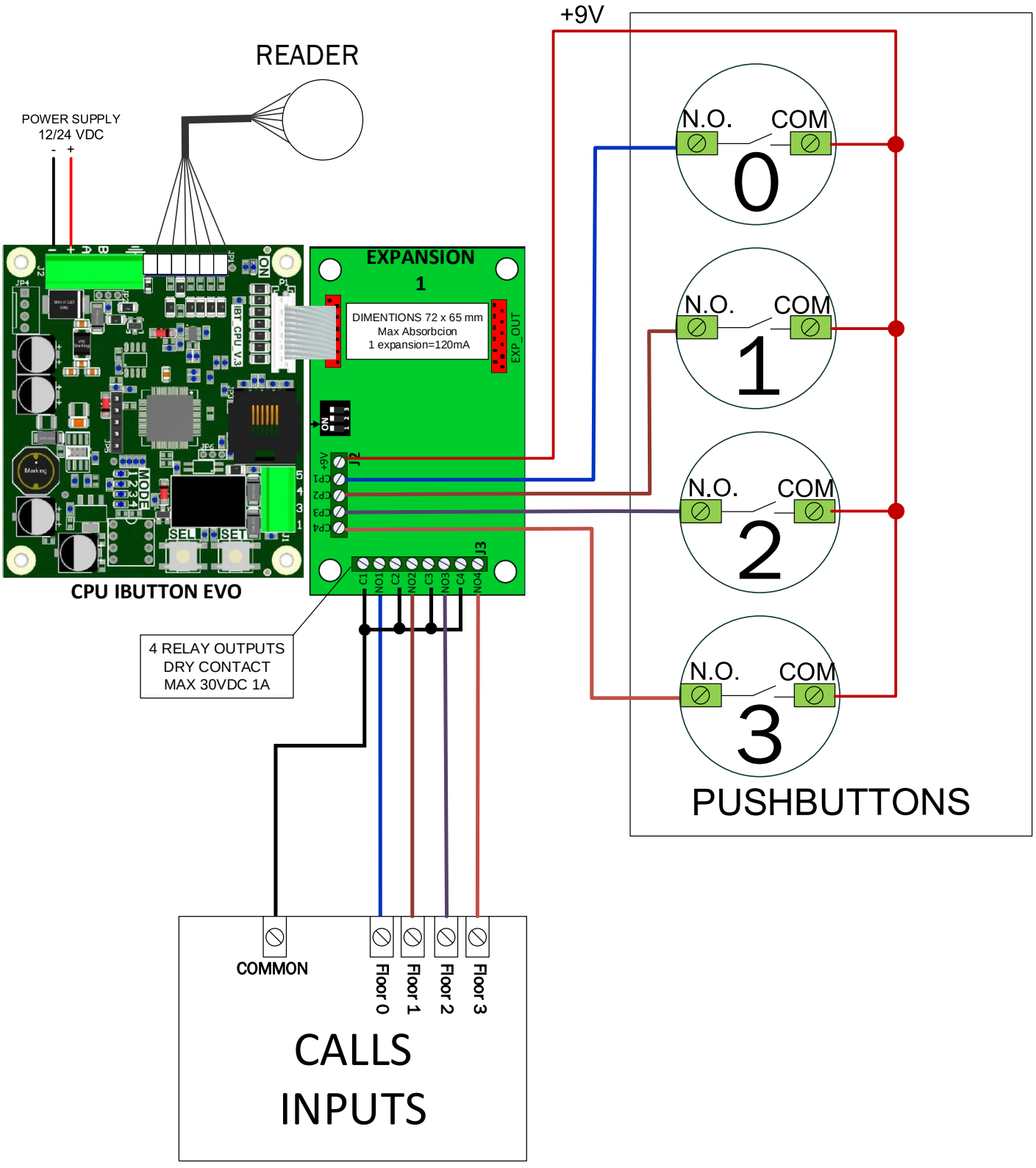


Max 8 expansions,
Max 32 OUTPUTS

NOTE:
TURN ALL THE DIP-SWITCHES ON, ONLY ON THE LAST EXPANSION.

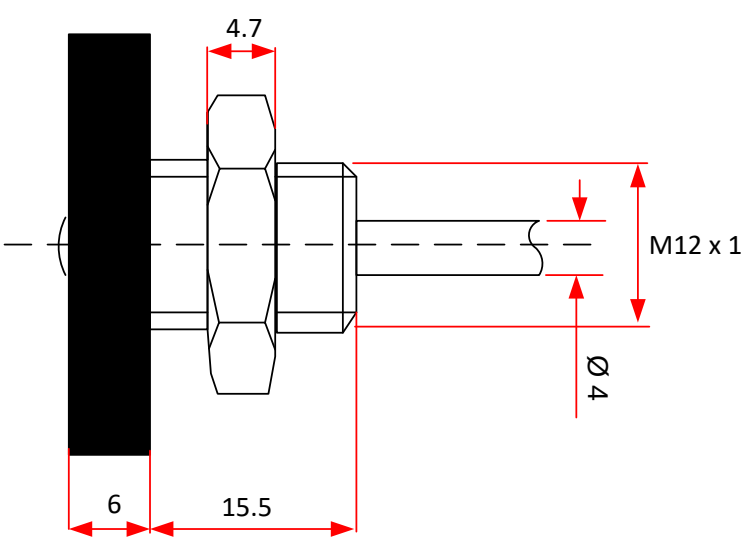
NOTE: ONCE THE DIP-SWITCHES ARE SET, IT IS NECESSARY TO POWER CYCLE THE CPU POWER SUPPLY !

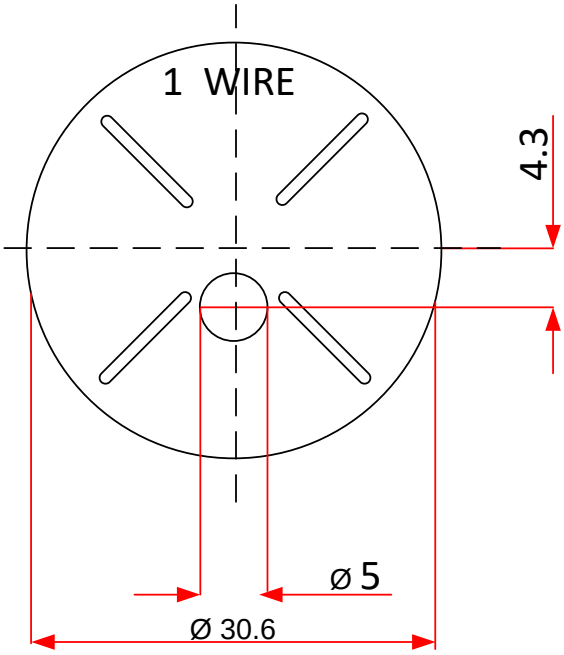
6 CONNECTION SCHEME

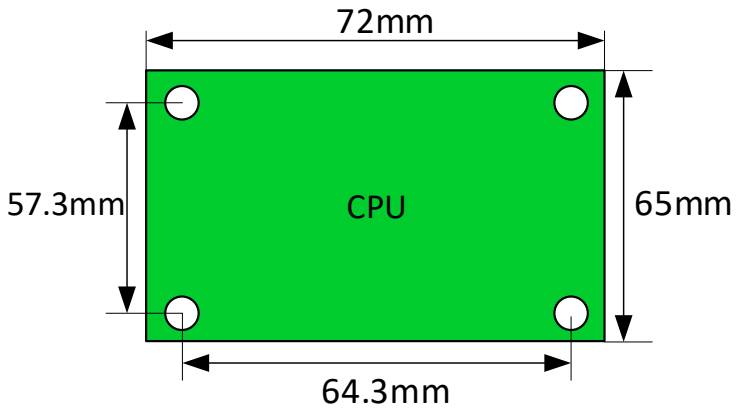


7 DIMENSIONS

RFID READER







READ THE CLEANING WARNINGS CAREFULLY!!!

Avoid any use of chemicals, especially for plastic surfaces.

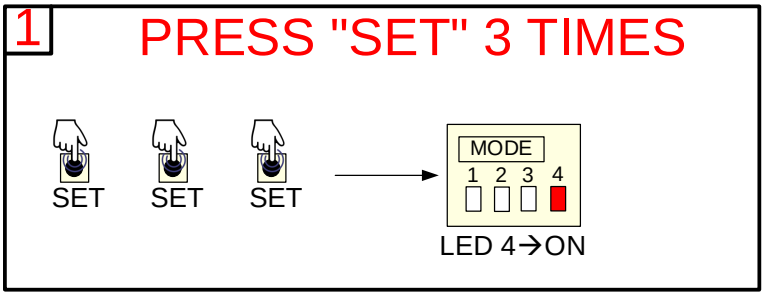
Our buttons must be cleaned only and exclusively with a COTTON CLOTH AND HOT WATER!!!

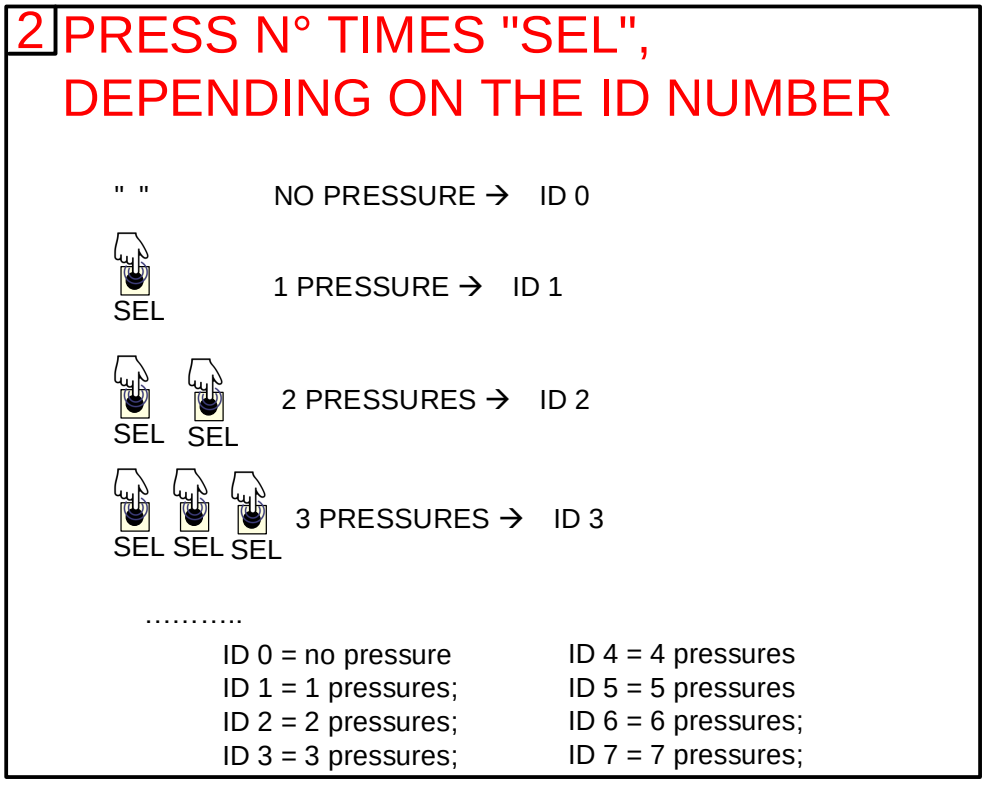
Many Vega products are made of polycarbonate, ABS, methacrylate or nylon 66. The use of cleaning products containing even minimally ammonia, hydrocarbons, caustic soda, hydrochloric acid, nitric acid, acetic acid, ethyl alcohol, methyl alcohol are absolutely prohibited.

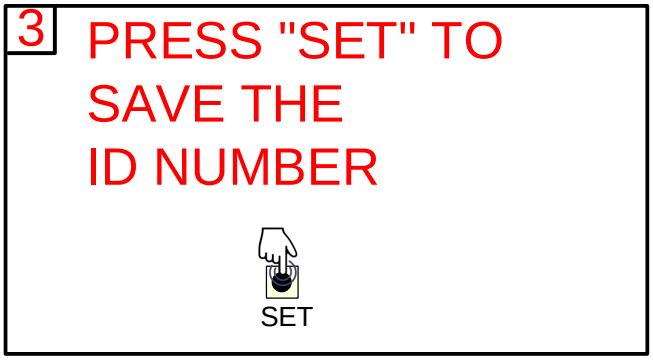
8 ID ADDRESS (for cloud)

DEFAULT "ID" ADDRESS: 0

ADDRESS CHANGE PROCEDURE:







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