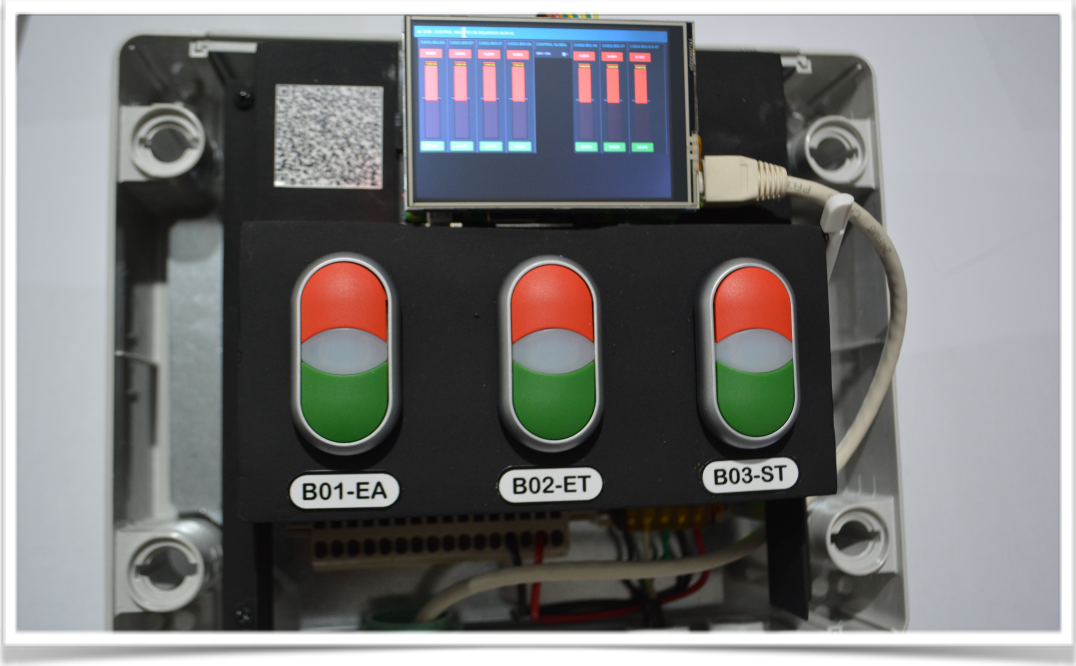
Bollard Controller IAIJM-01

Relay Control through TCP / IP protocol



Relay Control through TCP / IP protocol

Raspberry Pi 3 computer-based controller

It allows the control of up to 3 Bollards via TCP / IP. The raspberry computer runs a special version of Linux configured for handling IoT devices. This way you can control up to 3 Bollards. The control is both local through an external keypad, as well as remote via wired ethernet network or via WiFi.

1

DHCP

It supports DHCP protocol, to dynamically obtain the IP address.

2

WIFI

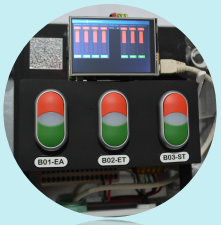
It has the option to connect via WiFi network.

3

WEB BROWSER

Control of IoT devices via a friendly network interface.

Safety Bollard Controller
of any type that supports dry contact control.



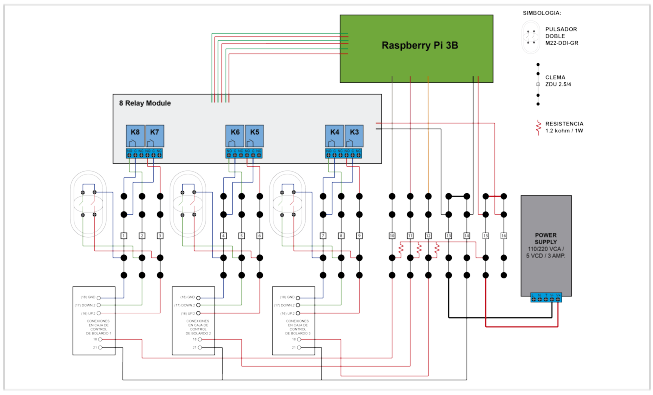
Bollard Control
through industrial Push-Buttons

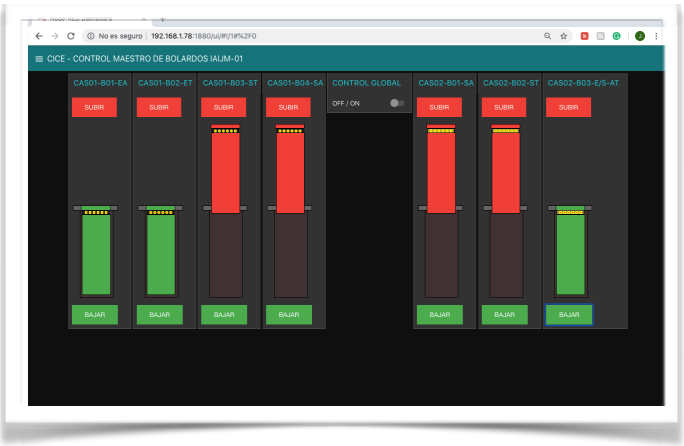
Bollard Controller
through TCP / IP network protocols.

IoT based Control Software

The relay control is implemented through the famous IBM IoT software: Node-Red.

Node-RED is a programming tool to connect hardware devices, APIs and online services quickly and easily. This software is used to create relay control via a web page. Two relays are required for the control of a Bollard. The system is programmed to operate each Bollard individually or as a group. The internal wiring of the system allows each Bollard to also be controlled externally through a keypad.





"Manual and remote bollard control"

The system is housed inside an ABB IP65 cabinet. Internally, the Raspbery Pi 3 controller is located with a small Touch display, as well as the relay card and wiring terminals that allow the connection of up to 3 Bollards with their respective keypads. The power supply is 110 VAC and has inside a switched power supply of 110VAC / 5 VDC 3 AMP.

INSTALLATION REQUIREMENTS

ABS ABB IP65 cabinet. External measurements are 275mm wide, 220mm high and 140mm deep.

In the lower Wall it has a heavy-duty 1 "PVC pipe connector at the bottom for the connection of Bollards and two glands: one for the 110 VAC power input and one for the network cable.