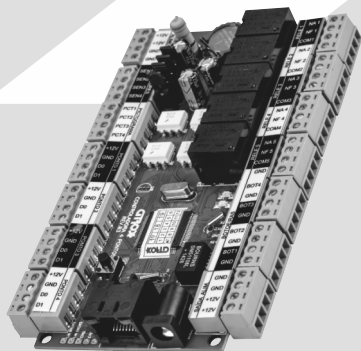


ATTENTION:
Do not use this equipment without first reading the User's Manual.



MANUAL

4-RELAY OUTPUT WIDE IP CONTROLLER



P31677 - 12/2022
Rev. 0

ATTENTION!

WIDE IP CONTROLLER – 4-RELAY OUTPUTS

Congratulations! You have just purchased a product designed with Citrox quality and security. This manual is a reference tool for product installation and operation.

The controller was designed for four installations where up to 4 access outputs must be controlled.

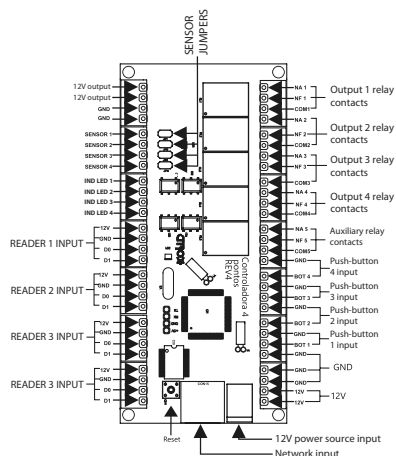
Easy installation, the controller has the following features:

- TCP/IP communication.
- Online and offline working mode.
- 8,000 users stored (card or password) in the memory. In the online mode, there is no user limit.
- It stores 10 thousand events in offline mode. In online mode, there is no even limit.
- Compatible with 26-bit Wiegand readers.
- Relay time configuration.
- Anti-Pass Back.
- Cage mode

TECHNICAL FEATURES

Power supply	12Vdc
Maximum consumption without readers	210mA
Input for readers	4
Input for sensors	4
Input for push-button	4
Relay output	4
Indicative LED output	4
Alarm relay output / auxiliary output	1

Internal part and control board connection



RELAY OUTPUT CONTACTS

COM (common) dry contact output, NO (normally open), and NC (normally closed). It is used to add devices such as electromagnetic locks, barriers, etc.

ALARM RELAY / AUXILIARY OUTPUT

- Dry contact relay output. It can be used as an alarm for open doors, break-ins, or output auxiliary
- It will activate according to the sensor output if selected as an alarm. Time can be set up.
- If it is selected as an auxiliary output, the relay will activate together with the point relay and the activation time can be configured.
- If selected as break-in, when entering without having access, the relay is activated, and it will be activated according to the configured time.

INTERNAL PART AND BOARD CONNECTIONS

JUMPER SENSOR

It selects whether the sensor input will be NPN or PNP type.

- NPN jumper closed.
- PNP jumper open.

The jumpers are related to the outputs: JP 1 – output 1; JP 2 – output 2; JP 3 – output 3 and JP 4 – output 4.

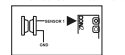
Warnings

1. The controller must be powered with a stabilized 12V source; the source voltage cannot vary. The source must be compatible with the controller power. A voltage above the one specified can damage the equipment.
2. Never install this equipment on structures that spread flames.
3. This product must be housed in an airtight box protected from the sun, rain, and humidity. Install it in discrete and easily accessed places for future hardware configurations or maintenance.

4. Only a specialized technician must install this equipment.
5. Contact our technical department for further questions.

NPN SENSOR CONNECTION

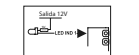
NPN SENSOR JUMPER CONNECTED



The connection scheme is the same for all sensors.

LED INDICATOR CONNECTIONS

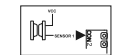
LED INDICATOR CONNECTIONS



The connection scheme is the same for all sensors.

PNP SENSOR CONNECTION

PNP SENSOR JUMPER DISCONNECTED



The connection scheme is the same for all sensors.

DESCRIPTION OF INTERNAL PARTS AND BOARD CONNECTIONS

Name of the controller:

IP-WIDE-4

User:

admin

Password:

admin

12V power source:

power supply input

GND:

used to connect devices such as sensors, push-buttons, etc.

12V output:

12V output for power supply.

LED indicator:

- When there is valid access and the LED regarding the output lights up.
- LED indicators refer to the outputs: LED1 – output 1. LED2 – output 2; LED3 – output 3; LED4 – output 4.

Sensor inputs:

- Install dry contact sensors. Ex.: magnetic, presence sensor, or inductive loop.
- The inputs refer to the outputs: sensor 1 – output 1; sensor 2 – output 2; sensor 3 – output 3; sensor 4 – output 4.

PUSH-BUTTON INPUTS

Install dry contact push-button – NO (normally open).

The push-button inputs refer to: PUSH1 – output 1; PUSH2 – output 2; PUSH3 – output 3; PUSH4 – output 4.

READER INPUTS

Install 26-bit Wiegand readers: compatible with most readers in the market.

The reader inputs refer to: Reader input 1 – output 1;

Reader input 2 – output 2; Reader input 3 – output 3;

Reader input 4 – output 4.

RESET

The reset button erases all memory data such as configurations, users, and passwords. To reset, turn on the controller with the reset button pressed; when LED 2 lights up, release the button.

NETWORK INPUT

Input for RJ45 connector. The controller communicates with the computer through a local or a peer-to-peer network. Use a crossover cable for the peer-to-peer network and a -/+ parallel line to connect it to a network.

12V POWER SOURCE INPUT

12V power supply. Use a source with a P4 connector.

OBS.: if already using a power source on the terminal block, do not use this input.

WARRANTY TERMS

MOTOPPAR da Amazônia Indústria e Comércio de Eletrônicos Ltda, registered under CNPJ No. 09.084.119/0002-45, located at Praça Linear, No. 100, Bloco II, Centro, Santa Rita do Sapucaí/MG, CEP 37.500-000, manufacturer of PPA and CITROX products, guarantees this device against design, manufacture, assembly defects and/or jointly and severally as a result of defects in material quality that makes it inappropriate or unsuitable for the consumption for which it is intended, for a legal period of 90 (ninety) days from the date of acquisition, provided that installation guidelines described in the instruction manual are followed.

As a result of the credibility and trust placed in PPA AND CITROX products, we have added another 275 days to the above period, reaching a total of 1 (one) year, also counted from the date of purchase to be proven by the consumer through the proof of purchase (Purchase Invoice).

In case of defects, within the warranty period, PPA and/or CITROX's liability is restricted to repairing or replacing the device they manufacture under the following conditions:

1. Only Technical Assistance can repair and readjust the equipment. It is qualified and authorized to open, remove, replace parts or components, and fix defects covered by the warranty, considering that failure to do so and any use of parts that are not originals will result in the waiver of this term by the consumer.
2. The warranty does not cover accessories such as cables, screw kits, fixing brackets, sources, etc.
3. The consumer exclusively bears expenses for packaging, transport, and reinstallation of the product.
4. The equipment must be sent directly to the company responsible for the sale, representing the manufacturer, through the address on the purchase invoice, adequately packaged to avoid the loss of the warranty.
5. The replacement or repair of the equipment does not extend the warranty period.

This warranty will be void if the product:

1. suffers damages caused by agents of nature, such as atmospheric discharges, floods, fires, landslides, etc.;
2. is installed in improper mains or even in disagreement with any of the installation instructions set out in the manual;
3. presents defects caused by falls or any other physical accident;
4. is tampered with or attempted to be repaired by unauthorized personnel;
5. is not used for its intended purpose;
6. is not used under normal conditions;
7. suffers damages caused by accessories or equipment attached to the product.

Recommendation:

We recommend having a specialized technical service install and service the product. If the product has a defect or malfunction, look for a specialized Technical Service for the necessary corrections.



Manufactured by: **Motoppar da Amazônia Indústria e Comércio de Eletrônicos LTDA**
Praça Linear, 100, Bloco 2 - Centro
Santa Rita do Sapucaí - MG - CEP 37.540-000 - Brasil
CNPJ: 09.084.119/0002-45
www.citrox.com.br | +55 14 3407 1000