

Simplified operation guide Function Selector



P05782 - Rev. 0

1. Product Description

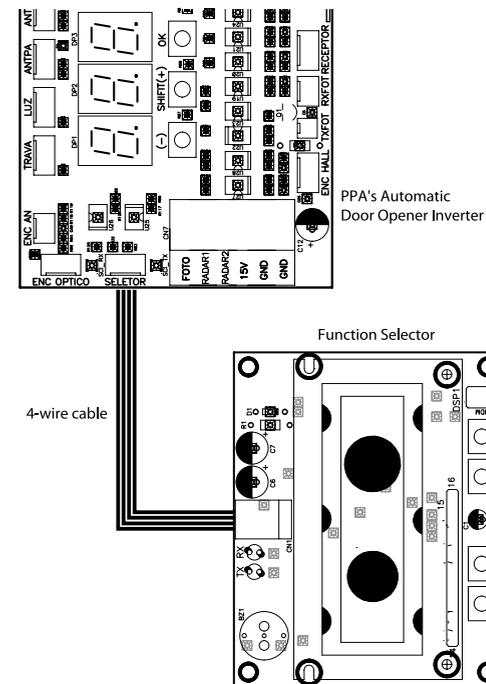
PPA's **Function Selector** allows one to remotely access all parameters of **PPA's Automatic Door Opener Inverter**, such as, pause time in automatic mode, opening and closing speed, etc. So, it is possible to change all parameters, without removing the case of the operator.

Besides, some functions are added when this device is connected to the inverter, allowing one to choose functions such as holding the door open, holding the door closed, turn off only the external sensor, turn off only the internal sensor etc.

2. Operation

PPA's **Automatic Door Opener Inverter** has an isolated serial port used to communicate with **PPA's Function Selector**.

According to the following picture, connect the **Selector** to the **Inverter**, by using the 4-wire cable provided with the **Selector**.



Whenever the **Selector** is communicating with the **Inverter**, the message "**Seletor Conectado!**" (Selector Connected!) will be displayed.

2.1. PPA's Function Selector main operation

After being connected, the **Selector** allows one to select the operating functions of a **PPA's Automatic Door Opener** which are described below:

RADARES LIGADOS (SENSORS ON): Standard Operation (Both sensors on).

RADAR INTERNO DESLIGADO (INTERNAL SENSOR OFF): Operation with the internal sensor off (selects inward motion only).

RADAR EXTERNO DESLIGADO (EXTERNAL SENSOR OFF): Operation with the external sensor off (selects outward motion only).

PORTA ABERTA (DOOR OPEN): Holds the doors open.

RADARES DESLIGADOS (SENSORS OFF): Holds the doors closed.

In order to navigate among the functions, press the **SEL** button until the desired function is reached; then press **OK**. See the picture below:

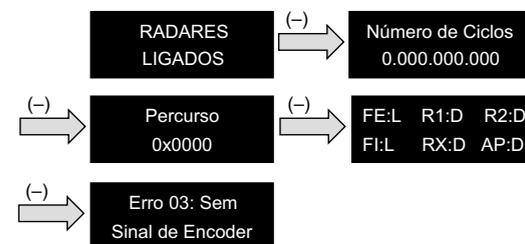


After pressing **OK**, **PPA's Automatic Door Opener** will operate according to the function selected.

2.2. Alternating information on the Selector Display

PPA's **Function Selector** can provide information that helps the installation and operation, such as the door encoder¹ path, errors, number of cycles and which and which sensor / photocell signals are reaching the inverter.

In order to navigate among the information, press the **(-)** button until reaching the desired screen. See the picture below:



¹Encoder - in Industrial Automation, it is an electro-mechanical device that counts or reproduces electric pulses from the rotational movement of its axis. It can be also defined as an angle position *transducer*.

2.2.1. Number of cycles

Número de Ciclos
0.000.000.000

PPA automatic door stores the number of cycles performed by the inverter. They are stored in the microcontroller flash memory and, therefore, they will not be erased even when the operator is disconnected from a power supply. This information can be used in order to indicate when a maintenance is necessary.

2.2.2. Path

Percurso
0x0000

This is the path of the **PPA automatic door encoder** and can be used to check if the machine is properly operating.

See the **PPA automatic door** manual.

2.2.3. Signals from the Sensors

FE:L R1:D R2:D
FI:L RX:D AP:D

This screen is used to show which signals from the sensors the **Inverter** is receiving:

FE = External Photocell, **L** = On and **D** = Off;
FI = Internal Photocell, **L** = On and **D** = Off;
R1 = Sensor 1 (External), **L** = On and **D** = Off;
R2 = Sensor 2 (Internal), **L** = On and **D** = Off;
RX = RF Receiver, **L** = On and **D** = Off;
AP = Anti Panic Signal, **L** = On and **D** = Off.

2.2.4. Errors

Erro 03: Sem
Sinal de Encoder

This screen shows the possible errors that can happen during the operation.

2.3. Entering the Function Menu

In order to enter the Function Menu, press the **SHIFT(+)** button on **Selector** for two (2) seconds, until the screen "**Função 01**" (Function 01) is shown.

Then, choose the function one wants to change, by pressing the **(-)** and **(+)** buttons, and press **OK** to enter it. Change the value, by pressing the **(-)** and **(+)** buttons, and press **OK** again to exit.

In order to exit the functions menu, keep pressing **(-)** or **(+)** button until the screen "**Sair do Menu de Funções?**" (Exit the Functions Menu?) is shown, and press **OK**.

Guarantee Document

MOTOPPAR, Industry and Commerce of Automatic Gate Openers Ltd., Located at 3526 Dr. Labieno da Costa Machado Avenue, Industrial District, Garça –SP, Zip Code 17400-000, National Registry of Legal Entities Number 52.605.821/0001-55, State Registration Number 315.011.558.113 hereby guarantees this product against design, manufacturing or assembly defects and/or solidarily as a result of material quality flaws that make its use improper or inadequate within a legal period of 90 (ninety) days from time of acquisition, as long as installation instructions are followed as described in the user's manual. In case of defect, within the warranty period, MOTOPPAR responsibilities are restricted to the repair or substitution of the product manufactured by the company.

Due to the credibility and trust placed on PPA products, we will add 275 more days to the period mentioned above reaching a guarantee period of one year, likewise counted from the time of acquisition

proven by consumer through proof of purchase.

Within the additional period of 275 days, only visits and transportation in places where authorized technical assistance is not available will be charged. The cost of transportation of the product and/or technician will be responsibility of the consumer.

The substitution or repair of the product does not prolong the guarantee. This guarantee will be terminated if the product:

- Is damaged by accidents or natural agents, such as lightning, floods, landslides, etc.;
- Is installed in an improper electric power supply or if it is not according to what any of the installation instructions from the manual;
- Is not used for its intended purpose;
- Is not used under normal conditions;
- Is damaged by accessories or equipment connected to it.

Recommendations:

We recommend the operator installation to be performed by an authorized PPA technical service.

Installation done by a third party will terminate the guarantee due to damage caused by inadequate installation. Only a PPA authorized technician is qualified to open, remove, and substitute parts or components, as well as repair defects covered by this guarantee. Failure on observing this guideline and the verified use of any non-original parts will cause the resignation of this guarantee document on the part of the user.

If the product fails, seek an Authorized Technical Service to fix it.

MOTOPPAR INDÚSTRIA E COMÉRCIO DE AUTOMATIZADORES LTDA.

Av. Dr. Labieno da Costa Machado, 3526 - Distrito Industrial
CEP 17400-000 - Garça - SP - Brasil
Fone / Fax: (14) 3407-1000
www.ppa.com.br