



ai automation[®]

Taking the initiative

Door Control System



aiatom.ro



Door Control System

- Ai Atom - Door Control System – helps Robots and Fleet to control the door opening / closing based on the PLC registers that are being set on the robots (multiple robots). The I/O zones can be use in this scenario and we provide the hardware to control the door.

Door Control System

Technical details:

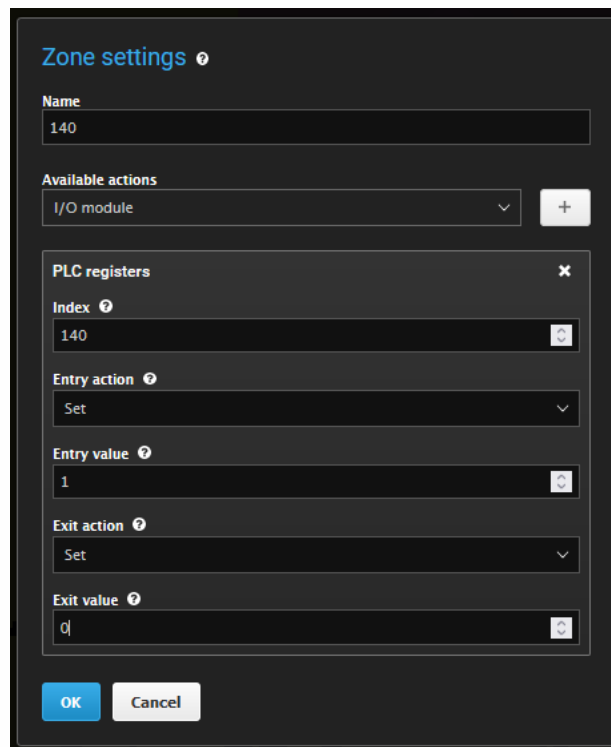
- Door Control Box is equipped with a convenient 230V power adapter (included).
- Door Control Box requires Wi-Fi network to communicate with MIR Fleet, Server and Robots.
- The Door Control Relay has Ai Atom (software to manage Push Buttons, KNX Systems, Dashboards, I/O Modules, Warehouse Door Control, Conveyor Controls, etc.) as a prerequisite.
- Fully integrated with MIR Fleet.
- Door Control Box can be pre-configured (for convenience and ease of deployment) or they can be configured via the built-in web interface.
- Enclosure dimension - 75.8/75.8/31 (mm).
- Enclosure color – Black / White.
- Enclosure material – ABS.
- The enclosure is passively ventilated.
- Antenna type – 2.4 Ghz 5dBi
- Antenna length – 111 (mm)
- Total weight (with power adapter) – 136 g.



Door Control System

Technical details:

- The way the naming is given of the device (example 140) is the number of the PLC register set on the MIR MAP – See picture below.
- When the robot is within this zone, the relay is activated (open the door) and when the robot is out of the zone, relay is deactivated (close the door).



Zone settings

Name
140

Available actions
I/O module +

PLC registers x

Index
140

Entry action
Set

Entry value
1

Exit action
Set

Exit value
0

OK Cancel

Door Control System

Technical details:

Power adapter:

Output voltage: 5V DC

Output current max: 1A

Power: 5W

Connector type: micro-USB

Dimensions: 37.75x23.56x54.37mm

Protection features: OPP (OverPower Protection), OVP (Over Voltage Protection), SCP (Short Circuit Protection)

Efficiency level: Energy efficiency Level VI (73.77%)

Plug type: EU

Cable length: 1.5m

Optimal operating temperature: 0...40°C

Color: Black

