



TUBESTILE



Introducing Mantrap - an innovative and advanced access control solution designed to provide seamless and secure personnel entry. Mantrap revolutionizes access control with its cutting-edge features and intelligent design. With its dual zone safety mat and multiperson check algorithm, Mantrap ensures accurate detection of individuals and allows entry only when a single person is present. Experience the next level of access control with Mantrap, where convenience meets enhanced security.

Mantrap provides highest level of personnel access control, featuring advanced security parameters such as presence and passage detection as standard.

Application areas :

- Servers Room,
- Control Room
- Strongroom,
- Clean Room,
- R&D Facility,
- Credit card manufacturing
- Sensitive manufacturing facility,

Customization is the cornerstone of our Tubestile Security System, empowering you to tailor the setup to your specific requirements.

Specialty: Artificial Intelligence based

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Multi-person Entry Prevention:

The Mantrap incorporates a dual zone safety mat, enabling the implementation of a multiperson check algorithm that detects the presence of multiple individuals within the Mantrap. In such instances, the second occupant is required to exit the passage, ensuring that only one person remains inside. Once the system verifies the presence of a single individual, the door closes, granting entry.

- **Passage Confirmation:** Mantrap ensures seamless passage confirmation with synchronized door opening and closing, confirming movement from one side to another.
- **Power Failure: Mantrap** operates in a fail-safe manner during power outages, allowing manual door opening for uninterrupted access.
- **Emergency Action:** Mantrap promptly responds to emergency signals, automatically opening both doors for safe evacuation or access during emergency situations.

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TECHNICAL SPECIFICATION:

Supply Voltage	230V AC \pm 10%
Power Consumption	5-50 Watts
Drive Technology	BLDC / Stepper Motor Drive*
Lateral Glasses	Acrylic / Polycarbonate* / Toughen Glasses*
Mobile Glass Door	Acrylic / Polycarbonate* / Toughen Glasses*
Spot Light	20W Available
Communication Protocol	MODBUS TCP or RS485 or RS232
Integration	4 Inputs, 4 PFC outputs & Optional RS485
Access Time Out	0 - 15 sec (Digitally Adjustable)
Emergency Push Button	Available inside the Trap
Duty Cycle	Intensive use
Cabinet Material	Available in Stainless Steel Grade 304/316* Or Mild Steel
Cabinet Dimension	L 1000mm * W 1000mm * H 2400mm \pm 5%
Passage Width	600mm
Lane Indicator	Built-in (Green or Red)
Throughput	5-6 dependent on access control system
M.C.B.F.	1 million cycles
Operating Temperature	-10 to 55° C
Installation	By anchor bolts on plain surface
Included Accessories	Mains Cable, Foundation Bolts etc.
Optional Accessories	CMOS Camera-Based Sensor, Digital IN-OUT Counter, Wireless Remote, S.S. Railings, Canopy etc