



# AUTOMATION FOR SLIDING DOORS

*Automatic activation of sliding door via a mechanism with a motor connected to a multifunctional panel. Switchgear IP 56 is suitable for installation in a moist environment.*

- Includes an electronic circuit for controlling the functions and an inverter to control the paths during operation of the opening-closing and the necessary needs in electrical power in respect to the security settings.
- All automation system is pre-cabled therefore the connection of the board becomes easy through a multipolar connector which is located at the bottom of the board. There are already preinstalled factory settings which are easily changed depending on the needs of each user.
- Speed is set to 0,27 m/sec (as per regulations) and the engine has a reversible reducer. The speed can change easily from the board.
- The primary safety device for crash protection is a sensitive bar resistant type, located on the vertical edge of the door panel, which in case of impact with an obstacle, automatically stops the door and reverses motion.
- The controls of the STOP (end of movement) during the opening and closing is activated by a micro switch. The transmission is through a chain with adjustable power and not with tapes for cost reasons with breakage problems.
- In case of power failure the door continues to operate normally with the help of the UPS, which ensures about 30 operating cycles (the UPS is activated only in case of power failure).
- Safety photocells which in case of obstacle detection during the closing, they revert the door motion to avoid collision.
- A yellow light is flashing signals that the door is in motion. Besides the many arrangements for opening – closing the door from the board, two cords connected to switches are placed in front and behind the door (at desired distances) to facilitate the operator of the forklift at the entrance and exit of the cold room.
- The above automation system for sliding electric doors is certified with CE 13241-1 (CSI Institute).
- In addition to the usual dimensions, our company specializes in the construction of large wide electric doors up to 4000mm x 6500mm.
- UL certificate of compliance for motors upon request.
- **The door surfaces are approved for food safety by the American Food and Drug Administration (FDA).**

## OPTIONS



*Motion detector (radar) for automatic opening of the door with identification of people or vehicles.*



*Special mechanism which in case of power failure, disconnects the chain from the motor and the door opens easily as a manual door.*



*Possibility of movement of the door with belt instead of chain for silent operation of the opening-closing.*



*Remote control with one or more remote controls, push-button for opening-closing and safety button on the control panel. Back-side rubberized magnet.*



*NEMA 4X stainless steel enclosures are preferred in industries such as food and beverage or pharmaceuticals, where corrosion resistance and washdown capabilities are essential.*



*Touchless wave plate.*



*Torque limiter as an extra safety device of the electric sliding door.*



*Safety light grille.*

