

SYNMOR[®]

Ensuring Smooth Operations



Auto Door Drive Systems

Features :

- Smooth and silent door movement with VVVF inverter drive
- Self-learning cycle for stroke length and weight
- Encoder feedback for precise position control
- Wide torque and speed adjustment
- Continuous door load monitoring for safety
- Obstruction detection and automatic re-opening
- Auto-cleaning track and rollers
- Wide input voltage compatibility (220 V AC)
- Easy commissioning with parameter setting

01

Control Inputs

OPEN: 12 V DC signal → Door opens
CLOSE: 12 V DC signal → Door closes
NUDGE: Slow closing with buzzer indication
SAFETY SENSOR: Optical/IR sensor input

02

Control Outputs

Relay outputs for:
DOOR OPEN status
DOOR CLOSED status
FAULT indication

03

Synmor - Technicals

Input Power : Through power supply (2 channels)
Motor: Synchronous PM motor with encoder
Max Load: ~150 kg per panel
Opening Width: 600 mm - 1800 mm
Speed: Adjustable, 0.3-0.7 m/s

Becomes operational in blink of eye with any kind of main board controller.

BEST IN THE SEGMENT.

04

Set Parameters

(typical list based on regular drive):
P1 - Opening Speed (Default: 50%, Range: 20-80%)
P2 - Closing Speed (Default: 45%, Range: 20-70%)
P3 - Torque/Force (Default: 50%, adjustable by load)
P4 - Dwell Time (seconds) (Default: 3s, adjustable 1-15s)
P5 - Nudging Speed (Default: 20%, slow close after obstruction)
P6 - Acceleration/Deceleration Ramp (Default: 1.5s)

07

Origin

INDIA

05

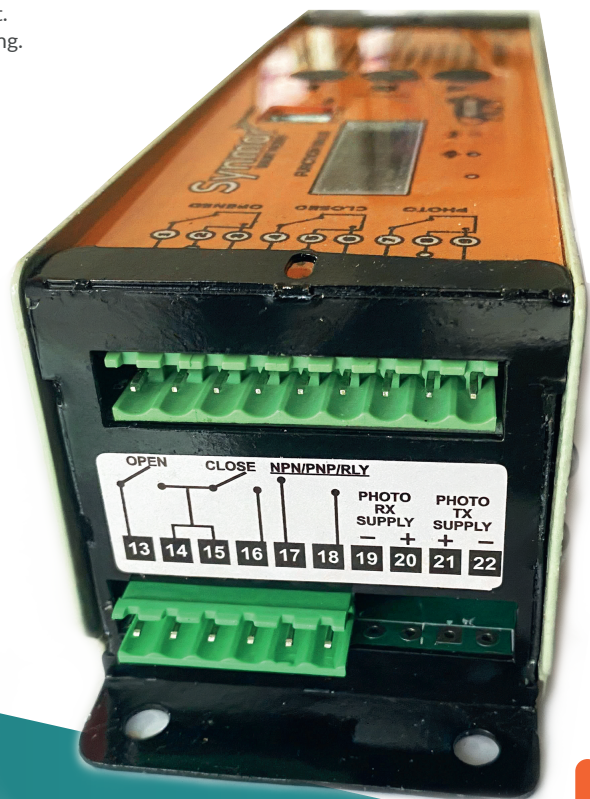
Features

Easy commissioning with parameter setting interface (via keypad/DIP switches).
Smooth and silent door movement with VVVF inverter drive.
Self-learning cycle for stroke length and weight.
Obstruction detection and automatic re-opening.
Encoder feedback for precise position control.
Wide torque and speed adjustment.
Continuous door load monitoring for safety.
Auto-cleaning track and rollers.
Wide input voltage compatibility (220 V AC).

06

Learning Cycle

Activate Learn Mode (DIP switch/keypad).
Door will auto-open/close to measure stroke and torque.



CONTACT

HEADQUARTER:
INDLABLE, ATTIBELE HOBLI,
BENGALURU - 562107 (KARNATAKA)

BRANCH OFFICE:
DELHI, LUCKNOW, KOTA, AHMEDABAD, BHOPAL, BENGALURU, CHENNAI

SEND INQUIRY : www.synmor.in