

PAT 3 D

Swaraj's Patriot Series Brushless DC Barriers are the ideal choice for heavy-duty operations. When the requirement is a combination of maintenance-free operation and aesthetic looks, Patriot barriers fit in perfectly. Made Indigenously, the Patriot barriers have the following features.

HEAVY-DUTY, WEATHER-PROOF AND SIMPLE-DESIGN HOUSING

The housing uses a precise machined pre-galvanized steel sheet / SS plate, which is then powder coated according to the customer's choice. The barrier confirms to IP67 dustproof and waterproof standards. The barrier is simple in design and yet aesthetically decorative.

100% DUTY CYCLE OPERATION WITH 10 MILLION MTBF

Maintenance-free gear motor mechanism ensures 100% duty cycle operation with 10 million MTBF. The heavy-duty Brushless DC Motor is environment-friendly, energy-saving, and maintenance-free. Only 120 Watts of motor power ensures that there is no overheating while working continuously in intense operations conditions. The barrier has a built current transformer that ensures mechanical safety. Its unique operation logic ensures a slow start and slow stop operation.



EASY INSTALLATION AND MAINTENANCE FREE

A simple structure and encoder-based limit switch-free design ensure easy installation and maintenance while reducing maintenance costs.

MANUAL OPTION IN CASE OF POWER FAILURE

In case of power failure, the barrier is equipped with a manual handle for effortless manual operation

ANTI-COLLISION (SWING AWAY MECHANISM) PROTECTS BOOM ARM

Anti-collision mechanism protects the boom arm from damage once a vehicle collides with the arm, thereby saving it from damage.

INTERCHANGEABLE DRIVE MECHANISM

The patent pending precise casting, INTERCHANGEABLE drive mechanism enables changing the direction of the boom barrier from left to right and vice versa on site



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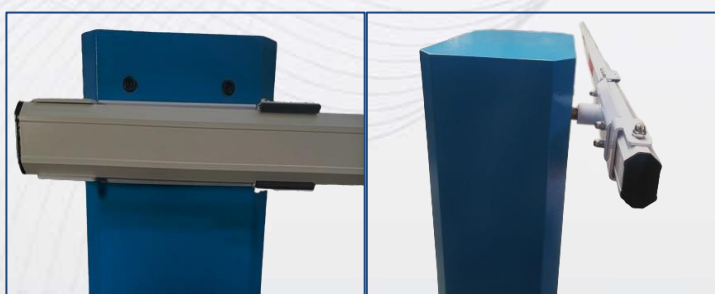
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TECHNICAL SPECIFICATIONS

MODEL NO.	PAT 3 D (DC BRUSHLESS MOTOR)
MECHANISM	ELECTRO-MECHANICAL
POWER SUPPLY	220-230 V AC, 50-60 HZ / 110V AC 60HZ
DUTY CYCLE	100%
CONTROL VOLTAGE	24 V DC
POWER CONSUMPTION	120 W
OPENING/CLOSING SPEED	1 SEC
MAXIMUM BOOM LENGTH	UP TO 3 METERS BOOM WITH SWING AWAY MECHANISM
HOUSING	GALVANISED MILD STEEL + RAL POWDER COATED OR SS HOUSING (OPTIONAL)
OPERATIVE OPTIONS	REMOTE CONTROL / PUSH BUTTON / ACCESS CONTROL
POWER FAILURE OPERATIONS	OPEN/CLOSE OPTION WITH MECHANICAL HANDLE
IP RATING	IP67
DRIVE	INTERCHANGEABLE GEAR MOTOR DRIVE
SAFETY FEATURES (OPTIONAL)	WARNING/ TRAFFIC LIGHTS, PHOTOCCELL EYE FOR HUMAN SAFETY, LOOP DETECTOR FOR VEHICULAR SAFETY
ILLUMINATION (OPTIONAL)	RED & GREEN LED
OPERATING TEMPERATURE	-25 DEGREE CELSIUS TO +70 DEGREE CELSIUS
HUMIDITY	10% - 95%
MTBF	10 MILLION OPERATIONS



Swing Away Mechanism
“PROUDLY MADE IN INDIA”

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