

## PAT 3 BOOM BARRIER

Swaraj's Patriot Series 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 Motor is environment-friendly, energy-saving, and maintenance-free. Only 60 -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

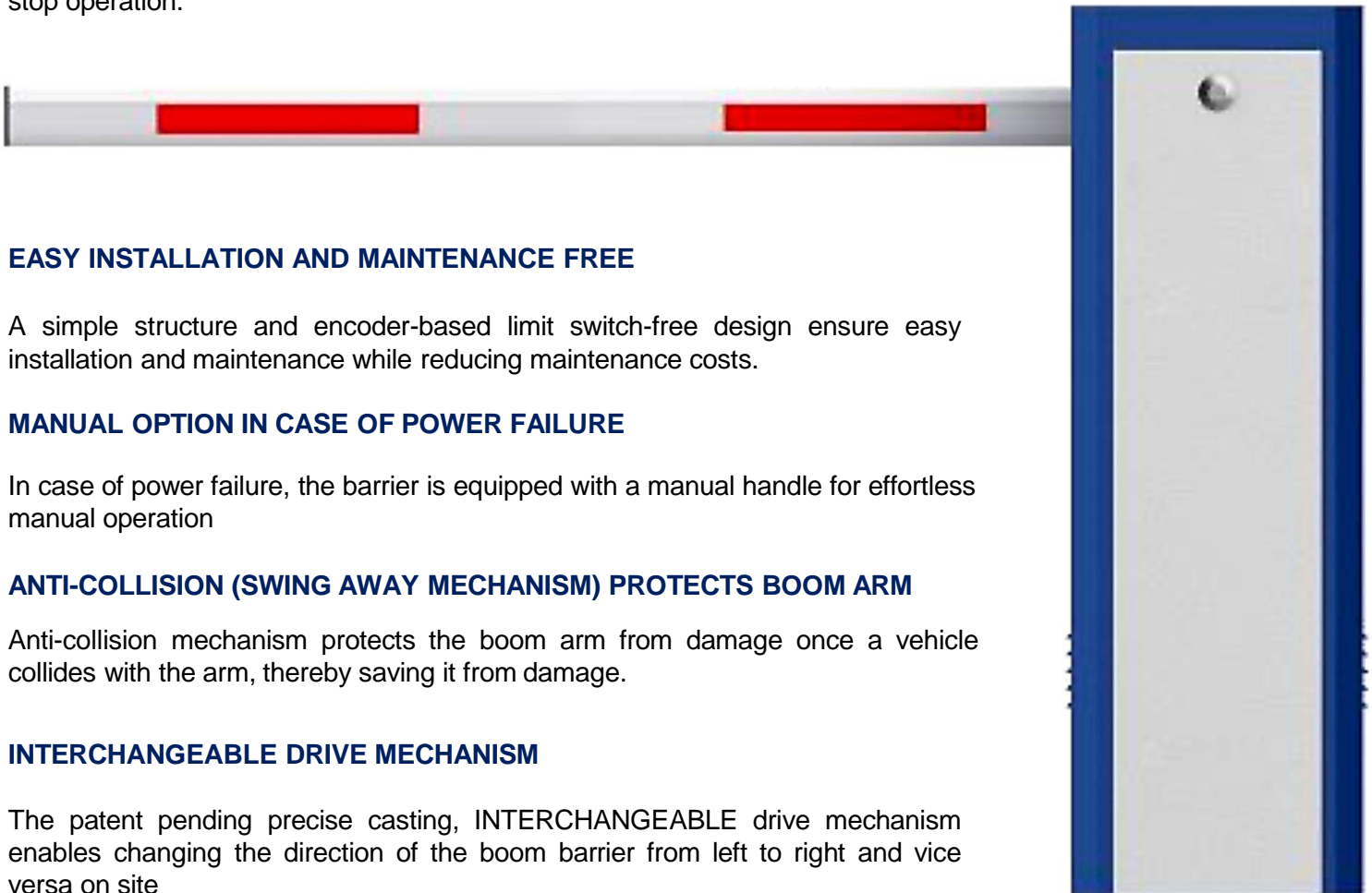
In case of power failure, the barrier is equipped with a manual handle for effortless manual operation

### 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



#### INDIA

Survey No. 1427, Chhatral-Mehsana Highway, Rajpur Jhulasan Road, Dharpura Chokdi, Jhulasan- 382705, Ahmedabad.  
(T) +91 88826 64055,  
Email - [info@swarajsecutech.com](mailto:info@swarajsecutech.com),  
Website: [www.swarajsecutech.com](http://www.swarajsecutech.com)

#### UAE

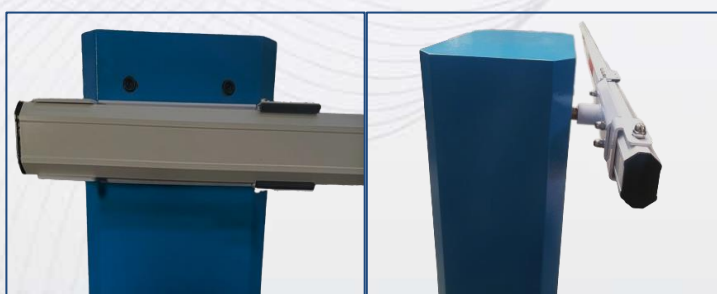
Swaraj Secutech Equipment & Machinery Trading LLC,  
Warehouse-1, Plot No 1228. Sector 5, New Industrial Area,  
Umm Al Thaoob, UAQ, UAE (T) +971 508641797,  
Email: [rashid@swarajsecutech.com](mailto:rashid@swarajsecutech.com),  
Website: [www.swaraj.ae](http://www.swaraj.ae)

#### NORTH AMERICA

Swaraj Secutech Canada INC  
2300 Yonge street, 1600, Toronto, ON, M4P 1E4  
Email: [mona@swarajsecutech.com](mailto:mona@swarajsecutech.com),  
(T) +1 (647) 242-6738

## TECHNICAL SPECIFICATIONS

MODEL NO.	PAT 3D ( DC BRUSHLESS MOTOR)	PAT 3N ( AC MOTOR)
MECHANISM	ELECTRO-MECHANICAL	ELECTRO-MECHANICAL
POWER SUPPLY	220-230 V AC, 50-60 HZ / 110V AC 60HZ	220-230 V AC, 50-60 HZ / 110V AC 60HZ
DUTY CYCLE	100%	100%
CONTROL VOLTAGE	24 V DC	230 V AC
POWER CONSUMPTION	120 W	60 W
OPENING/CLOSING SPEED	1 SEC	1.5 SEC
MAXIMUM BOOM LENGTH	UP TO 3 METERS BOOM WITH SWING AWAY MECHANISM	UP TO 3 METERS BOOM WITH SWING AWAY MECHANISM
HOUSING	GALVANISED MILD STEEL + RAL POWDER COATED OR SS HOUSING ( OPTIONAL)	GALVANISED MILD STEEL + RAL POWDER COATED OR SS HOUSING ( OPTIONAL)
OPERATIVE OPTIONS	REMOTE CONTROL / PUSH BUTTON / ACCESS CONTROL	REMOTE CONTROL / PUSH BUTTON / ACCESS CONTROL
POWER FAILURE OPERATIONS	OPEN/CLOSE OPTION WITH MECHANICAL HANDLE	OPEN/CLOSE OPTION WITH MECHANICAL HANDLE
IP RATING	IP67	IP67
DRIVE	INTERCHANGEABLE GEAR MOTOR DRIVE	INTERCHANGEABLE GEAR MOTOR DRIVE
SAFETY FEATURES (OPTIONAL)	WARNING/ TRAFFIC LIGHTS, PHOTOCELL EYE FOR HUMAN SAFETY, LOOP DETECTOR FOR VEHICULAR SAFETY	WARNING/ TRAFFIC LIGHTS, PHOTOCELL EYE FOR HUMAN SAFETY, LOOP DETECTOR FOR VEHICULAR SAFETY
ILLUMINATION (OPTIONAL)	RED & GREEN LED	RED & GREEN LED
OPERATING TEMPERATURE	-25 DEGREE CELSIUS TO +70 DEGREE CELSIUS	-25 DEGREE CELSIUS TO +70 DEGREE CELSIUS
HUMIDITY	10% - 95%	10% - 95%
MTBF	10 MILLION OPERATIONS	10 MILLION OPERATIONS



**Swing Away Mechanism**  
**“PROUDLY MADE IN INDIA”**