

PAT 6 BOOM BARRIER

Swaraj's Patriot 6 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 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

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,
Website: www.swarajsecutech.com

UAE

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

NORTH AMERICA

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

TECHNICAL SPECIFICATIONS

MODEL NO.	PAT 6D (DC BRUSHLESS MOTOR)	PAT 6N (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 DC
POWER CONSUMPTION	120 W	60 W
OPENING/CLOSING SPEED	4 - 6 SECS	6 SECS
MAXIMUM BOOM LENGTH	UP TO 6 METERS TELESCOPIC BOOM	UP TO 6 METERS TELESCOPIC BOOM
HOUSING	GALVANISED MILD STEEL + RA POWDER COATED OR SS HOUSING (OPTIONAL)	GALVANISED MILD STEEL + RA 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, PHOTOCCELL EYE FOR HUMAN SAFETY, LOOP DETECTOR FOR VEHICULAR SAFETY	WARNING/ TRAFFIC LIGHTS, PHOTOCCELL 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

“PROUDLY MADE IN INDIA”

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