

## **PAT 5**

# **FULL ALUMINIUM BOOM BARRIER**

( In Technical Collaboration with I&I Corp, Israel )

Swaraj's Patriot series PAT 5 Barriers are the ideal choice for heavy duty operation under a corrosive environment. The full aluminum die cast body of the barrier along with inbuilt LED gives it a perfect aesthetic look.

### **FEATURES & BENEFITS**

#### **100% DUTY CYCLE OPERATION WITH 5 MILLION MTBF**

Maintenance-free GEAR motor ensures 100% duty cycle operation with 5 million MTBF. The heavy duty Gear Drive Motor is environment friendly, energy-saving, and maintenance-free. There is no electric shock or overheating while working continuously, which protects the controller and prolongs its lifetime.

#### **EASY INSTALLATION AND MAINTENANCE REDUCES YOUR LABOUR COST**

Simple structure and double limit switch design ensures easy installation and maintenance and also reduces maintenance cost.

#### **MANUAL OPTION IN CASE OF POWER FAILURE**

If power is suddenly switched off while the boom is closing, the barrier is equipped with a manual knob which enables the operator to manually open or close the barrier.

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

The housing adopts a completely die cast aluminum structure with static electricity sprayed anti-UV surface to ensure that it does not fade over time. It conforms to IP55 dustproof and waterproof standards. It is simple in design and aesthetically decorates your premises.

#### **SINE LEVER DRIVE MECHANISM ENSURES SMOOTH LANDING OF BOOM WITHOUT SHAKING**

The patent pending precise casting sine lever drive mechanism enables the boom arm to move from slow to fast when it starts, and fast to slow when it stops. This effectively reduces the shaking of the boom arm and reduces the burden of the electrical motor. In this way the lifetime of the motor and mechanical components are prolonged.



## SPECIFICATIONS

PRODUCT DESCRIPTION	PRODUCT SPECIFICATIONS
MODEL NO	PAT 5
MECHANISM	ELECTRO MECHANICAL
ILLUMINATION	LED ( OPTIONAL)
OPENING/CLOSING SPEED	4S (FOR 3-4 M), 6 S (FOR 6M)
MAXIMUM BOOM LENGTH	UP TO 6 M , 5M ( WITH LED)
MOTOR POWER	90W/220VAC
HOUSING DIMENSION	350MM×250MM×1070MM
HOUSING MATERIAL	ALUMINIUM WITH MS/SS BASE FRAME + EPOXY POWDER COATING TO PREVENT ANY CORROSION
TRANSMISSION	GEAR SHAFT MECHANISM WITH EQUALISER
IN CASE OF POWER FAILURE	OPEN/CLOSE OPTION WITH MECHANICAL HANDLE
IP RATING	IP66
DUTY CYCLE	100 %
SAFETY FEATURES (OPTIONAL)	PHOTOCELL EYE FOR HUMAN SAFETY, TRAFFIC LIGHT LOOP DETECTOR FOR VEHICULAR SAFETY
DRIVE	HARDENED GEAR MOTOR
OPERATING TEMPERATURE	-25 <sup>0</sup> C TO +60 <sup>0</sup> C
HUMIDITY	10%-95%
MTBF	5 MILLION OPERATIONS
INTEGRATION	4 NO/NC DRY RELAY CONTACT, RS485 AND CAN BE INTEGRATED WITH ALL ACCESS CONTROL DEVICES
CERTIFICATIONS	ISO 9001:2008, ISO 14001:2004, CE

