

# Barrier gates (2.5 – 5 m)



## Application

XGate barriers will thrive in the busiest possible car parks (100% duty cycle). They can be installed in both public access environments (urban spaces, shopping centres, car parks, airports, ...) and private areas (hotels, hospitals, companies, community car park sites...).



## Concept design

The arms of the barrier gates move fast, precise and excel in the absence of noise. The aluminum powder coated housing (IP54) is perfect in any environment (-30°C /+70°C).

With the option like the automatic opening when power fails complete the specification.

The controller board features everything you need from a barrier gate.

## Product references

Barrier gate type	Partnumber
XGate 2.5 m	XP12025/P001
XGate 3.0 m	XP1203/P001
XGate 3.5 m	XP12035/P001
XGate 4.0 m	XP1204/P001
XGate 5.0 m	XP1205/P001

## About Amano

**We are Smart Solution Architects!**

By streamlining our expertise in Parking, Access, Time and attendance management, we create holistic, innovative, sustainable and smart mobility solutions that meet the rapidly changing wishes and needs of the various stakeholders in organizations in both the public and private sector.

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## Get in touch

# Specifications

- Aluminium housing
- Die-cast and lasered steel components
- Removable front door
- Easy to remove hood
- Double powder coating (RAL9005/9006)
- Other RAL colors on request

Arm length (m)	2.5	3	3.5	4	5
Housing (L x W x H)	360 x 300 x 1100 mm				
IP Rating	IP54				
Max. Power (W)	180	85	80	75	195
Power	88-264V / 47-63Hz - 1.4A max. @230Vac				
Temperature	- 30°C to +70°C				
Barrier weight (kg)	57	58	58	59	60
Arm effective (m)	2.28	2.78	3.28	3.78	4.78
Arm weight (kg)	3.8	4.5	5.0	5.8	10
Arm dimension (mm)	100 x 25				100 x 50
Round ARM	Optional (Diam. 60 mm)				No
Arm support	No		Option	Must	
Arm connector	Left/Right usable				
Articulation	Option				No

# Loop detectors

- 3 built-in single channel loop detectors
- Configurable holding times
- High or low frequency setting
- 8 sensitivity levels

# Speed settings

- Pre-defined speed settings
- 3 different speeds per arm length
- Power reversal: selectable

Arm (m)	Fast (s)	Standard (s)	Slow (s)
2.5	0.9	1.3	1.8
3.0	1.3	1.8	2.5
3.5	1.8	2.5	3.8
4.0	2.8	3.8	4.5
5.0	3.8	4.5	5.5

# Motor Characteristics

- Energy saving concept
- Powerful brushless 24V DC motor
- Planetary multistage gear
- 3 speeds
- Rotation speed control
- End position detect without limit switch

# Functional

- 6 Multi-functional and configurable output relays (Max 24V / 1A)
- Adjustable opening angle ( > 55° in steps of 5°)
- Arm: connector is usable left/right without modification
- Service counter
- Pre-warning settings for arm movement
- Directional logics programming
- Extensive error messaging (fault finding)

# Compliance

- Temperature: -30°C / +70°C
- Weather proof (IP54)
- RoHS Compliant
- CE approval

Directive	Reference
Machinery directive	2006/42/EG
Low voltage directive	2014/35/EU
EMC-directive	2014/30/EU

# Options

- Automatic open in case of power failure (adjustable with pressure springs)
- UPS option
- Articulation kit (2.5 - 4 m) - can be combined with LED strips
- Fixed support (4 - 5 m)
- Fixed support with electromagnet (4 - 5 m)
- Swinging support (4 - 5 m)
- Round arm (different connector)
- Light sets (LED, alternating red/green)
- Boom missing contact (2.5 - 4 m)
- Receiver for radio remote control
- Easy configurator software (requires TCP/IP module)
- Multicolor led strip option underneath the barrier arm

