

FlowControl

Ticketless Entry System

PARKING BARRIER SERIES



ES25 – ES40

OVERVIEW

The ES Parking Barrier series was design for one reason only - to provide a product that is reliable, rich in functionality, and flexible. The ES Parking Barrier provides all the features and durability necessary to withstand the harsh parking environment while allowing the installer functional flexibility and simplified setup.

TECHNICAL

The combination of torque and lever system allows for a smooth travel of the gate arm with no bounce in the end position. This technology will not only provide an aesthetically pleasing look and operation but also a reliable and durable product.

DRIVE UNIT

The drive unit mechanism consists of heavy duty worm gear, self-impeding with flange connected to motor. The sinusoidal lever system provides a smooth and controlled movement of the boom. The construction is made of galvanized steel to provide the durability needed as well as protect from the environment.

Controller

The MO64 controller is a multifunction controller specifically designed to provide a safe, reliable, functional, and user friendly experience. The controller comes standard with a multitude of inputs and outputs some of which are programmable.



Key Barrier Features	MO 64 Plus Features
100% duty cycle + solutions for extreme applications.	3 integrated programmable loop detectors
Security due to permanent closing force control (reversing when hitting an obstacle).	6 multi-functional relays that are freely programmable
None corrosive housing made of powder coated aluminum	4 x 7 - segment display
Easy installation and service (prewired terminal row, power outlet inside the barrier).	Optional modules for integration into your network - TCP/IP or RS
Vandalism protection to prevent damage and reduce cost for repair.	Cycle and service counter
Left handed and right handed version setup in the filed within minutes	
Flexibility (various options selectable like folding skirts, articulated booms even for long barriers, boom lighting, all RAL colors, etc.).	

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Controller Data



Functional Data	MO 64 "Plus"
Loop detectors	Three 1-channel detectors integrated
Module TCP/IP or RS 485	optional
Multi-functional relay (make contact), potential-free, max. 24V, 1A	4 (freely programmable)
Multi-functional relay (make contact), 230V, max. 120W	2 (freely programmable)
4x7-segment-display	Yes
Input for constant closed	Yes
Cycles counter	Yes
Service counter, settable	Yes
Error memory	Yes
Automatic closure	0-655s programmable
Pre-warning time OPEN	0-655s programmable
Pre-warning time CLOSE	0-655s programmable
12Vdc and 24Vdc, stabilized, each 500mA, together 700mA, for periphery equipment	Yes
Photo-cell connection with testing function for max. 6 photo-cells	Yes
Re-opening on obstacles without safety contact profile	Yes
Status indication	Yes
Indication boom open/closed	Yes
Vehicle counter	Yes
Barrier reverses immediately after a definite closing signal	Selectable
Storing of opening signals	Selectable (up to 9 signals)
Information is saved during power failure	Yes



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Technical Data



Technical Data	Technical Data
Input Voltage	115V/230V
Frequency	50/60Hz
Power Consumption	0.37 KW
Max. Current	2.5 amps
Duty Cycle	100%
Temperature Range	-20 Degrees Celsius up to 70 degrees Celsius
Housing Width	350 millimeter
Housing Length	300 millimeter
Housing Height	1,100 millimeter
Weight not including gate arm	47.5 kg

Parking Models

Type (mm)	Boom length/profile	Effective boom length (mm)	Running time (s)
ES 25	up to 2,500 x 100 x 25	up to 2,280	approx.. 1.3
ES 25HS	up to 2,500 x 100 x 25	up to 2,280	approx.. 0.9
ES 30	up to 3,000 x 100 x 25	up to 2,780	approx.. 2.3
ES 30HS	up to 3,000 x 100 x 25	up to 2,780	approx.. 1.3
ES 35HS	up to 3,500 x 100 x 25	up to 3,280	approx.. 2.2
ES 40	up to 4,000 x 100 x 25	up to 3,780	approx.. 3.2
ES 40S*	up to 4,000 x 100 x 25	up to 3,780	approx.. 3.2

