

Magnetic Barrier Eco *ECOLINE*

MBE 35/50



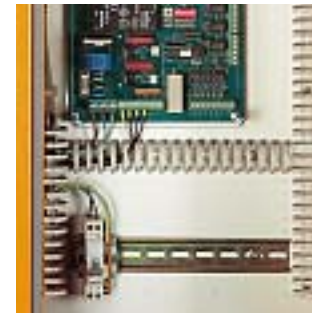
Installation and Putting into operation

simple and fast assembling
delivery with fixing material
uncomplicated adjustment of operation modes
simple installation of accessories



ECOLINE Accessories

The installation of complete barrier systems can be realized with the control extensions and access controls of Magnetic. Opening and closing is effected automatically through induction loops or comfortably from the vehicle by remote control. Additional equipment can be installed for safety and for automatical closing. With keys and switches the barrier can also be operated manually. Different types of card readers and identification systems can be mounted into the control columns and pillars.



ECOLINE Accessories

The barrier and control unit can easily be extended for different applications. The mounting plate is large enough for the installation of further accessories. Remote controls, loop detectors or additional limit switches, e.g., can easily and fast be connected to the control unit with the delivered cables. The control columns offer sufficient space for an assembling of the various additional devices and access control systems.

ECOLINE Accessories

The microprocessor-controlled 1 and 2 channel detectors are used for contactless detection of vehicles with metal structures. So, they are able to open or close the barrier for cars, trucks, fork lifts, etc. The sensitivity of the detector when a vehicle shall be detected can be adjusted and the functions of the potential-free relay contacts are selectable. Remote controls permit an easy operation of the barrier and are available as one or multi channel version. As the antenna is mounted in the barrier it is protected against damage.



ECOLINE Accessories

Magnetic can deliver elegant control panels for manual operation of the barrier by keys or switches. Depending on the request to open or close one or more barriers from one point you can use a single or multiple control panel. For each barrier two push buttons and one switch for „permanent open“ are installed. The position of the boom is indicated by two light diodes.



Magnetic
Autocontrol -
Safety
with technology

Further information
on request.

Subject to technical modifications.



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Magnetic barriers – quality, reliability and safety

Barriers of Magnetic Autocontrol:
For decades all over the world a paragon for quality, reliability and safety

Experience, competence and the big delivery program for different types of application and require-

ments are the conditions to offer a suitable solution for each individual requirement of our customers.

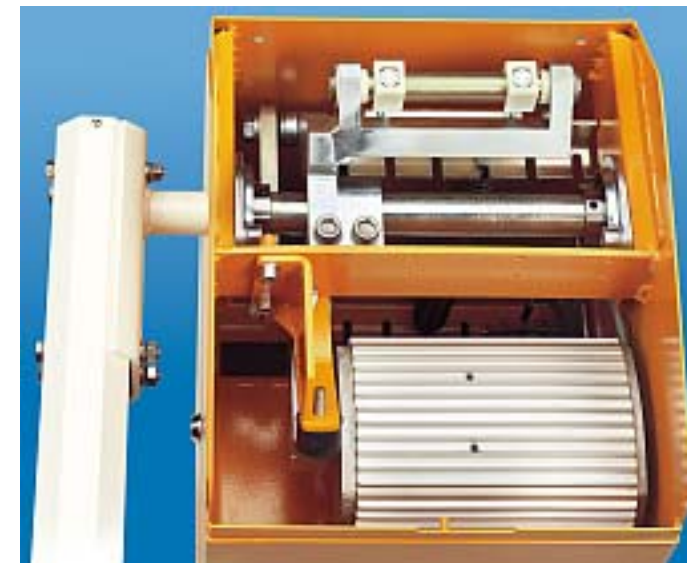
ECOLINE barriers of the classic barrier line are an ideal completion to the intelligent barriers. They are ideally suited for those

types of applications with low requirements respective speed, vehicle frequency, functionality and when an economic price-performance-ratio is important, especially in case of private entries, small parking areas or facilities operated by a guard.

Our main attention on developing this barrier was the aim to realize a functional barrier.

ECOLINE barriers in general view

The use of tested and proved technology gives guarantee for reliability and function. Each barrier undergoes an extensive test and fulfils the safety guidelines according to the EN, CE and UL norms. Our experienced staff and the certification of the quality assurance system ISO 9001 are the guarantee that this remains effective.



The Drive Unit

torque motor
sinusoidal lever system
spring adjustment
locking in final position
manual opening in case of voltage loss
automatic opening in case of voltage loss
few maintenance



The Housing

UV-resistant and environmental-friendly powder coat finish
housing RAL 2000 (yellow orange)/hood RAL 9006 (white aluminium)
maximal protection against corrosion
good accessibility to control unit and drive unit
good visiblenss, also in twilight hours



The Barrier Boom

swing-free special aluminium profile
white RAL 9010, applied with bright red reflective tape strips
very good visible



The µ-Controller Unit

manual and automatic operation of the barrier
selection of functions by rotary and DIP switches
various standard functions
control unit for flash and signal lights
control unit for traffic light with preset time
pulse memory
manual, signal and automatic reset
indication of LED status for simple error diagnosis



Classic ECOLINE

field of application
possible vehicle frequency
guaranteed service life
control unit
decoupling / feedback
functions of control
flexibility / extension possibilities
production
maintenance
stable value

simple
low
500.000 cycles
conventional
limit switch
specified
limited
standard
necessary
less high

Intelligent MIB

complex, for extreme conditions
from low up to extremely high
5 Million cycles
software, self-learning
boom position sensor
programmable
high
individually, according to request
not obligatory
high

Possibilities of applications of the ECOLINE barrier

simple barricades
private approaches
small parking areas
small systems
automatic operation
replacement for manual barriers
facilities operated by a guard

Technical data:

Type	
max. boom length	mm
opening time	s
closing time	s
voltage	V
frequency	Hz
power consumption	W
weight (without boom)	kg
dimensions	mm

MBE 35

max. boom length	3500
opening time	approx. 3.0
closing time	approx. 3.6
voltage	230
frequency	50
power consumption	85
weight (without boom)	50
dimensions	300 x 350 x 1040

MBE 50

max. boom length	5000
opening time	approx. 6.3
closing time	approx. 7.5
voltage	230
frequency	50
power consumption	85
weight (without boom)	50
dimensions	300 x 350 x 1040

Operating Modes and Functions

permanent contact, control by one switch
dead man, pulse for opening, closing order until final close position is reached
pulse sequence, opening - closing - opening by one switch
bistable with two separate pulses for opening and closing
dynamic, automatic closing after 30 sec. or immediately after passage
dynamic, automatic closing after 60 sec. or immediately after passage
static, no opening duration, automatic closing only after passage
bistable, with two separate pulses, memory of opening pulse
dynamic, memory of opening pulse, reset time of pulse memory after 30 sec.
dynamic, memory of opening pulse, reset time of pulse memory after 60 sec.
static, memory of opening pulse, no reset time of pulse memory

for external devices is available a direct voltage of 24 V / max. 0.5 A

The Signal Entries

1 = Opening
2 = Opening loops
3 = Closing
4 = Protection of persons
5 = Safety
6 = Limit switch

Potential-free Relay Outputs

1 = Feedback boom position or common failure signalling
2 = Pulse when barrier opens or closes
3 = Control of a warning or traffic light
4 = Common failure signalling or control for traffic light