

Modernization Kit ASSA ABLOY M Magnetic loop for industrial doors

ASSA ABLOY

ASSA ABLOY Entrance Systems

The global leader in
door opening solutions



Automatically open the door for vehicles

Key Benefit



Convenience



Efficiency

How it works

A magnetic loop detects large steel objects like cars, forklift trucks and pallet trucks. People are not detected. That makes magnetic loops ideal for parking garages, carwashes and other entrances where pedestrian traffic is not desired.

Advantages of a magnetic loop are that the door can be opened by any vehicle that approaches the door, without the use of a card key, remote control or push buttons.

It is essentially a long cable that makes a closed circuit and creates a magnetic field. When a vehicle is in the magnetic field, the metal surface of the vehicle causes a change in the field, which sends a signal to open the door.

Installation

The magnetic loop is embedded in the floor in front of the door. This makes it unnecessary to have sensitive electronics like a radar or pull rope switch above or around the door.

In case of concrete or tarmac floor, a groove is saw cut, where the cable will be placed. After that the grooves are filled with tarmac or a special loop sealant.

Installation under a brick pavement is also possible. A special kit is available where the wires are secured in a rigid cable channel.

Overview



A magnetic loop and an amplifier to connect in the control unit.

Available kits for ASSA ABLOY M Magnetic loop

Name	Type	Remarks
Detector magnetic loop 240V	For Alsta AX/TX or A6000	
Detector magnetic loop 24VAC	For CDM9 operators	
Socket f. relay 11-pol.MR78700		Touch protected
El. cable magn. loop 2x2m	For embedding under brick pavement	-Wire preinstalled inside a ground cable (2x2m) -Connection box -Signal cable to control unit.
Wire magnetic loop L=50 m kit	For embedding in concrete	-Wire (50m) -Connection box -Signal cable to control unit Installation to be done by specialists

Benefits

Key benefits are:

- Detect vehicles, not people
- No remote controls or (card) keys required
- No sensitive electronics around the door
- Nicely embedded in the ground