

External Electromagnets

No. 184

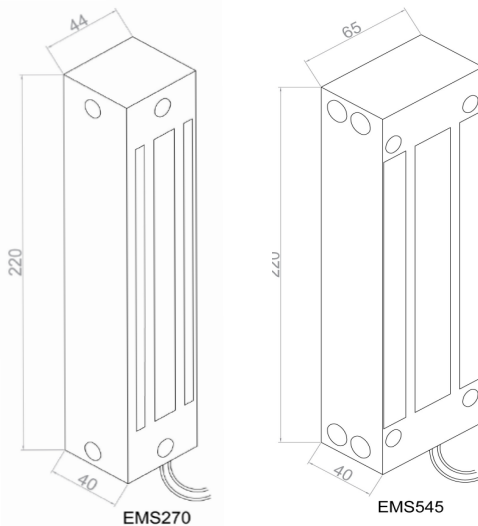
- Built for external use
- All electromagnets are monitored and can send a signal to show if the gate is open or closed
- Used for secure electronic locking, can be incorporated with any access control system

Surface fit electromagnets

Product Options

EMS270 - 270kg holding force

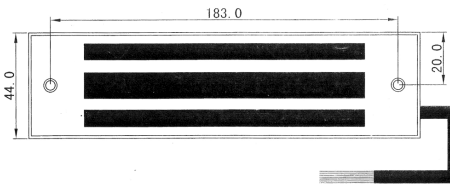
EMS545 - 545kg holding force



ELECTRO-MAGNETIC GATE LOCK

- A. 12VDC Input:**
Connect the red/black wires, green/orange wires and connect to 12V source.
- B. 24VDC Input:**
Short black/green wires and connect red/orange ones to 24V source.
- C. Contacts:**
Reed switch dry contacts are rated 0.5Amp at 30VDC/AC for safe operation, do not exceed this rating.
If you require a normally open switch, connect the wires from the system to brown wire and yellow wire of Magnet.
If you require a normally closed switch, connect the wires from the system to brown wire and blue wire of Magnet.

12V	24V	LOCK STATUS SENSOR (REED SW.)
Red (+)	Red (+)	Blue NC
Black (-)	Black (-)	Brown C
Green (-)	Green (-)	Yellow NO
Orange (-)	Orange (-)	

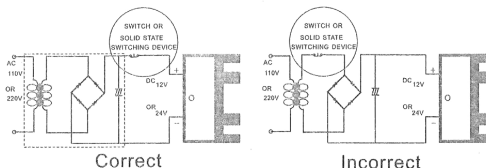


Flush fit electromagnets

Product Options

EMM250 - 250kg holding force

- A. 12VDC Input:**
Connect the ground(-) lead from a 12VDC power source to black wire of PCB.
Connect the positive(+) lead from a 12VDC power source to red wire of PCB.
Set jumper for 12VDC operation.
- B. 24VDC input:**
Connect the ground(-) lead from a 24VDC power source to black wire of PCB.
Connect the positive(+) lead from a 24VDC power source to red wire of PCB.
Set jumper for 24VDC operation.
- C: Contacts:**
Reed switch dry contacts are rated max 3W(max switching contact 0.25A) at 30VDC/AC for safe operation. Do not exceed this rating.
If you require a normally open switch, connect the wires from the system to black wire and green wire of PCB.
If you require a normally closed switch, connect the wires from the system to black wire and red wire of PCB.
- Important!**
If power switch is not wired between DC source voltage and magnet, it will take a longer time to de-energize the magnet simulating residual magnetism (see below)



Printed Circuit Board Schematic

