

Technical Bulletin #43

Please Pass On To Your Technicians

DESCRIPTION

DATE: April 17, 2009

SUBJECT: UL LISTED MAGLOCKS AND NON UL LISTED MAGLOCKS

- The purpose of this Bulletin is to provide important information regarding power supplies when used with BEA Inc. UL Listed maglocks. BEA Inc. part#:s: 10MAGLOCK1UL; 10MAGLOCK3UL; 10MAGLOCK5UL; 10MAGLOCK6UL

GUIDELINES

If using one of our UL rated maglocks listed above Technical Services would like to communicate the following information. BEA Inc. strongly recommends when using a BEA Inc. UL rated maglock to use a UL listed access control power supply.

We have received numerous tech calls regarding our UL rated maglocks not able to bond in the field. This is the result of using a standard step down transformer and rectifier or similar power supply. This simply will not work for the following two reasons below.

1. The UL listed access control power supply will supply the necessary regulated filtered DC power required by the BEA Inc. UL rated maglock whereas the step down transformer and rectifier does not. BEA Inc. recommends part # 10PS12-24
2. The UL rated power supply will maintain UL compliance with the maglock.

<u>BEA Part #</u>	<u>Maglock style and lbs rating</u>	<u>Power Supply</u>	<u>Current Draw</u>
10MAGLIFELOCK1	Maglock single 1200lbs lock 12/24 VDC	Non – UL Power Supply	@ 12vdc = .52 Amps @24vdc = .25 Amps
10MAGLIFELOCK3	Maglock single 600lbs lock 12/24 VDC	Non – UL Power Supply	@ 12vdc = .40 Amps @24vdc = .20 Amps
10MAGLIFELOCK5	Maglock double 1200lbs lock 12/24 VDC	Non – UL Power Supply	@ 12vdc = 1.03 Amps @24vdc = .52 Amps
10MAGLIFELOCK6	Maglock double 600lbs lock 12/24 VDC	Non – UL Power Supply	@ 12vdc = .83 Amps @24vdc = .42 Amps
10MAGLIFELOCK8	Maglock single 1800lbs lock 12/24 VDC	Non – UL Power Supply	@ 12vdc = .80 Amps @24vdc = .40 Amps
10MAGLIFELOCK9	Maglock single 100lb mini lock 12/24 VDC	Non – UL Power Supply	@ 12vdc = .06 Amps @24vdc = .12 Amps
10MAGLOCK1	Maglock single 1200lbs lock 12/24 VDC	Non – UL Power Supply	@ 12vdc = .52 Amps @24vdc = .25 Amps
10MAGLOCK3	Maglock single 600lbs lock 12/24 VDC	Non – UL Power Supply	@ 12vdc = .40 Amps @24vdc = .20 Amps
10MAGLOCK5	Maglock Double 1200lbs lock 12/24 VDC	Non – UL Power Supply	@ 12vdc = 1.03 Amps @24vdc = .52 Amps
10MAGLOCK6	Maglock double 600lbs lock 12/24 VDC	Non – UL Power Supply	@ 12vdc = .83 Amps @24vdc = .42 Amps
10MAGLOCK1UL	Maglock single 1200lbs UL LISTED 12/24 DCV ONLY	UL Listed Access Power Supply	@ 12vdc = .50 Amps @24vdc = .25 Amps
10MAGLOCK3UL	Maglock single 600lbs UL LISTED 12/24 DCV ONLY	UL Listed Access Power Supply	@ 12vdc = .50 Amps @24vdc = .25 Amps
10MAGLOCK5UL	Maglock double 1200lbs UL LISTED 12/24 DCV ONLY	UL Listed Access Power Supply	@ 12vdc = 1.00 Amps @24vdc = .25 Amps
10MAGLOCK6UL	Maglock double 600lbs UL LISTED 12/24 DCV ONLY	UL Listed Access Power Supply	@ 12vdc = 1.00 Amps @24vdc = .50 Amps

If your maglock application doesn't require the UL maglock then choose any one of the non-UL rated maglocks below as these typically can be powered with any DC power supply provided the current/amperage output capacity is sufficient.

Whatever UL listed access control power supply or non – UL access control power supply you choose always ensure that the current/amperage output capacity is sufficient for your application. Contact Technical Services for assistance.

If you have any questions please contact us at 800.523.2462 or my email address below.

Jeff Dunham
BEA Inc. Technical Service Mgr.
100 Enterprise Dr.
Pittsburgh, PA 15275
jedunham@beainc.com
800.523.2462

PRECAUTIONS



- Shut off all power going to header before attempting any wiring procedures.
- Maintain a clean & safe environment when working in public areas.
- Constantly be aware of pedestrian traffic around the door area.
- Always stop pedestrian traffic through the doorway when performing tests that may result in unexpected reactions by the door.
- ESD electrostatic discharge: Circuit boards are vulnerable to damage by electrostatic discharge. Before handling any board ensure you dissipate your body's charge.
- Always check placement of all wiring before powering up to insure that moving door parts will not catch any wires and cause damage to equipment.
- Ensure compliance with all applicable safety standards (i.e. ANSI A156.10) upon completion of installation.
- DO NOT attempt any internal repair of the sensor. All repairs and/or component replacements must be performed by BEA, Inc. Unauthorized disassembly or repair:
 - o May jeopardize personal safety and may expose one to the risk of electrical shock.
 - o May adversely affect the safe and reliable performance of the product and will result in a voided product warranty.

COMPANY CONTACT



Do not leave problems unresolved. If a satisfactory solution cannot be achieved after troubleshooting a problem, please call BEA, Inc. If you must wait for the following workday to call BEA, leave the door inoperable until satisfactory repairs can be made. Never sacrifice the safe operation of the automatic door or gate for an incomplete solution. The following numbers can be called 24 hours a day, 7 days a week. For more information, visit www.beasensors.com

West: 1-888-419-2564
South-East: 1-800-407-4545
Regional: 1-866-249-7937

Mid-West: 1-888-308-8843
North-East: 1-866-836-1863
Canada: 1-866-836-1863

Automatic door owners should perform a Daily Safety Check on each automatic door as outlined by AAADM. Safety checks should also be performed after any loss of power or any door maintenance. All automatic doors should be inspected at least once a year by an AAADM Certified Inspector. Automatic door distributors and installers should provide end-user Daily Safety Check instructions. Daily safety check information can be found in the relevant AAADM Owner's Manual(s) at: <http://www.aaadm.com/literature.asp>