

Magnetic Door Holders

Installation Manual



DH-100A-01SQ
(included)



DH-115B



DH-151SQ



DH-171SQ



Model	Voltage	Holding Force	Mounting	Manual Release
DH-115B	12/24 VAC/VDC, 120VAC	33-lb (15kg)	Floor-mount	Yes
DH-151SQ	12/24 VAC/VDC, 120VAC	33-lb (15kg)	Surface-mount	No
DH-171SQ	12/24 VAC/VDC, 120VAC	33-lb (15kg)	Flush-mount	No

SECO-LARM Magnetic Door Holders are useful for virtually any remote door release application. Since they are UL-Listed, use them with UL-Listed SECO-LARM door closers to control the release and closing of residential, commercial, and public area doors including apartments, schools, hotels, hospitals, and offices. Fail-safe operation, tri-volt coils, and an adjustable armature plate enable easy and flexible installation. Available in various models with full mounting hardware included.

- Adjustable armature (DH-100A-01SQ, included) simplifies installation and adjusts to door alignment changes
- Surface-, flush-, and floor-mount models available
- Fail-safe operation
- No residual magnetism for easy release
- Built-in voltage surge suppression
- Optional extension bars available: ¾", 1", 4", 7" (19mm, 25mm, 102mm, 178mm)
- Use with any SECO-LARM UL-Listed door closers

Parts List

- 1x Door holder
- 1x Jumper*
- 1x 1" Extension bar
- 1x Manual
- 1x Armature
- 1x Extension bar wrench
- 2x #10x1 1/4" Wood screws

DH-151SQ and DH-171SQ only

- 2x M3x10 Machine screws
- 1x Back box†
- 4x M4x8 Machine screws

DH-115B only

- 4x M4x30 Machine screws

*One additional jumper is preinstalled. †DH-151SQ only

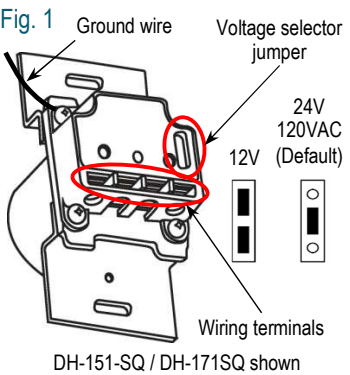
Specifications

Model	DH-115B	DH-151SQ	DH-171SQ
Operating voltage	12 VAC/VDC, 24 VAC/VDC, 120VAC (selectable, factory preset at 120V)		
12V	52mA@12VAC, 60mA@12VDC		
Current draw	24V	30mA@24VAC, 31mA@24VDC	27mA@24VAC, 31mA@24VDC
	120VAC	29mA	24mA
Holding force	33-lb (15kg)		
Manual Release	Yes	No	
Mounting type	Floor-mount	Surface-mount	Flush-mount
Dimensions	Magnet	3 7/16"x4 7/16"x3 1/8" (88x112x80 mm)	2 3/4"x4 9/16"x2 1/16" (70x116.5x52 mm)
	Armature	ø2 9/16"x 1 9/16" (ø65x40 mm)	
Weight	Magnet	1-lb 6.4-oz (635g)	1-lb 1.6-oz (498g)
	Armature	8.4-oz (237g)	

Wiring Terminals and Voltage Selection

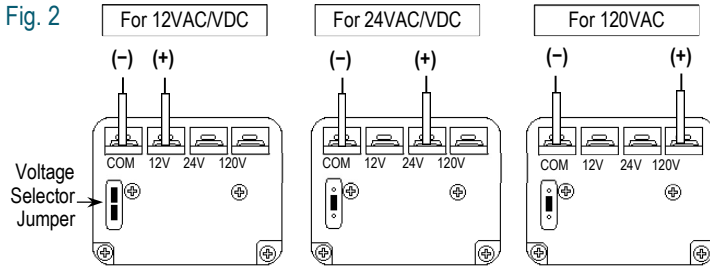
Voltage is selected using a set of jumpers but also is dependent on use of the correct wiring terminals. It is important to select the correct terminals *and* the correct jumper settings to match your planned supply voltage.

1. Find the voltage selector jumpers above the wiring terminals. For the surface-mount model, you may have to remove the back box. For the floor-mount model, remove the terminal cover on the back of the base.
2. The default is a single jumper on the center posts (24VAC/VDC / 120VAC). For 12VAC/VDC, move the installed jumper and use the second supplied jumper as shown for 12V in Fig. 1.



Wiring Terminals and Voltage Selection (Continued)

3. Connect the negative (–) to COM and the positive (+) to the correct terminal for your supplied voltage (12V, 24V, or 120V, see Fig. 2 below) and matching the jumper setting above.



Grounding Instructions

IMPORTANT: Establish earth-ground continuity in accordance with applicable codes, standards, and authorities having jurisdiction.

IMPORTANT: The 120V models must be grounded and follow the requirements of NFPA 70.

- **120VAC:** Connect the green (GND) wire to a grounded point (e.g., junction box)
- **12V/24V AC/DC:**

Connect GND to a suitable ground (e.g., power supply or chassis).

Grounding is strongly recommended for proper operation and safety.

WARNING: To prevent electrical shock, ensure the power is disconnected before installation or adjustment.

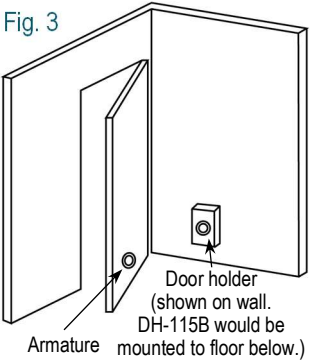
Installation

IMPORTANT: Before installing, please read the instructions carefully. Wire into the proper terminals as stated on pages 2–3 to avoid being burned.

1. Determine the mounting location of both the door holder and armature. Run power wires in compliance with local codes.
2. Select the voltage for the door holder (See Fig. 2) and adjust the jumpers accordingly—two jumpers for 12V or a single jumper on two center pins (default) for 24V or 120VAC.
3. For the DH-115B (Floor-Mount Door Holder):
 - a. Drill needed holes and mount the base to the floor.
 - b. Remove the terminal cover, connect the wires according to the wiring diagram above (Fig. 2), replace the cover, and test.
4. For the DH-151SQ (Surface-Mount Door Holder):
 - a. Mount the included back box to the location where your wires are run and connect the wires according to the wiring diagram above (Fig. 2).
 - b. Mount the door holder to the back box, taking care not to crimp any wires, and test.

Installation (Continued)

- 5. For the DH-171SQ (Flush-Mount Door Holder):
 - a. Connect the wires from the single-gang back box according to the wiring diagram on pg. 3.
 - b. Mount the door holder to the back box, taking care not to crimp any wires, and test.
- 6. Mount the armature to the door, ensuring proper alignment with the door holder (extensions available if needed, see below).
- 7. Double-check all connections and mountings to make sure the installation is complete.



IMPORTANT: To avoid damaging the unit, ensure the wiring connections, voltage jumper settings, and supplied voltage all match.

Accessories

Armature Plate	3/4" Extension Bar	1" Extension Bar	4" Extension Bar	7" Extension Bar
				
DH-100A-01SQ	DH-100E-07SQ	DH-100E-10SQ	DH-100E-40SQ	DH-100E-70SQ

IMPORTANT: Users and installers of this product are responsible for ensuring that the installation and configuration of this product complies with all national, state, and local laws and codes. SECO-LARM will not be held responsible for the use of this product in violation of any current laws or codes.

California Proposition 65 Warning: These products may contain chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

WARRANTY: This SECO-LARM product is warranted against defects in material and workmanship while used in normal service for five (5) years from the date of sale to the original customer. SECO-LARM's obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation prepaid, to SECO-LARM. This Warranty is void if damage is caused by or attributed to acts of God, physical or electrical misuse or abuse, neglect, repair or alteration, improper or abnormal usage, or faulty installation, or if for any other reason SECO-LARM determines that such equipment is not operating properly as a result of causes other than defects in material and workmanship. The sole obligation of SECO-LARM and the purchaser's exclusive remedy, shall be limited to the replacement or repair only, at SECO-LARM's option. In no event shall SECO-LARM be liable for any special, collateral, incidental, or consequential personal or property damage of any kind to the purchaser or anyone else.

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