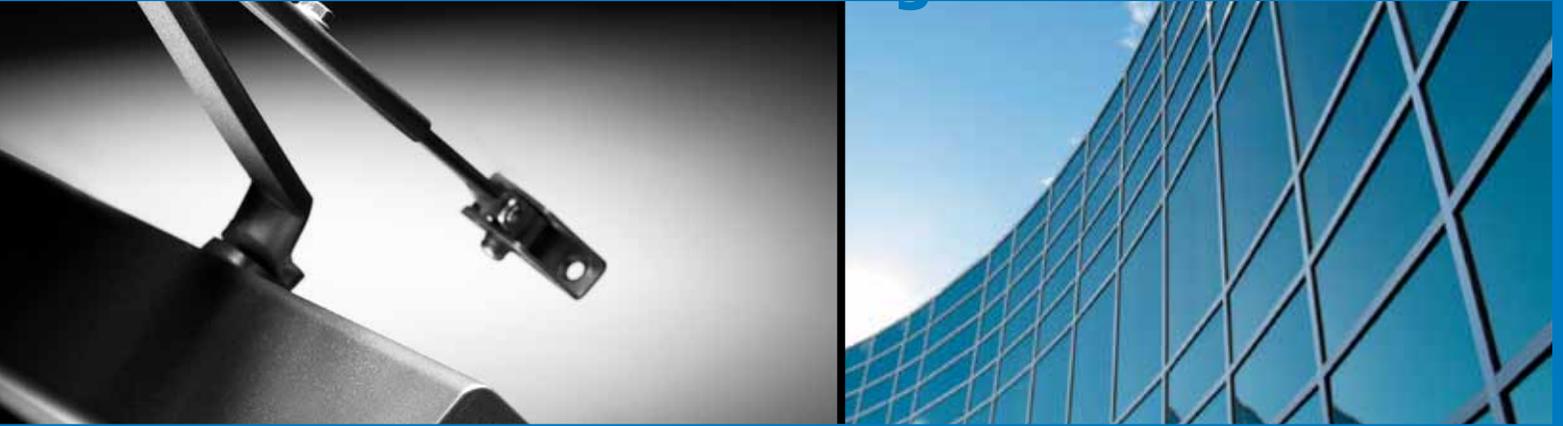


Electromagnetic Door Holders



Hager electromagnetic door holders are designed for virtually any remote door release application and are ideal for holding doors open until released by a remote or switching device. They are primarily used to hold fire and smoke barrier doors open.

Dual voltage inputs for ease of installation

High holding force to keep the door secure



Very low current draw for energy efficiency



DOOR CONTROLS

ELECTROMAGNETIC DOOR HOLDERS

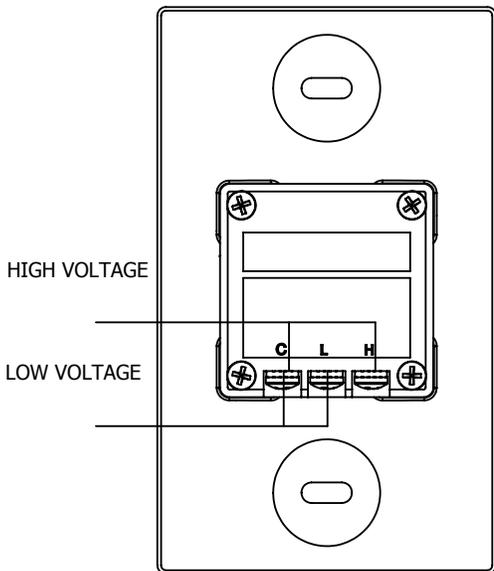
Performance Data

MODEL	VOLTAGE	DC/mA	AC/mA	TERMINALS	LB.	KG.
1224	12V	40	38	C&L	30	13.6
	24V	40	36	C&H	30	13.6
24120	24V	20	19	C&L	40	18.1
	120V		20	C&H	35	15.8
24220	24V	20	19	C&L	20	9.0
	220V		15	C&H	22	9.8

MODEL	VOLTAGE	DC/mA	AC/mA	TERMINALS	LB.	KG.
1224	24V	85	81	C&L	75	34.0
24120	120V		100	C&L	110	49.8

***High Holding Force/Special Applications:**
 To obtain the performance values in the above table, apply high listed voltage to low voltage terminals (C&L).
NOTE: This configuration can only be applied to models 1224 and 24120.

DUAL VOLTAGE (REAR VIEW SHOWN)

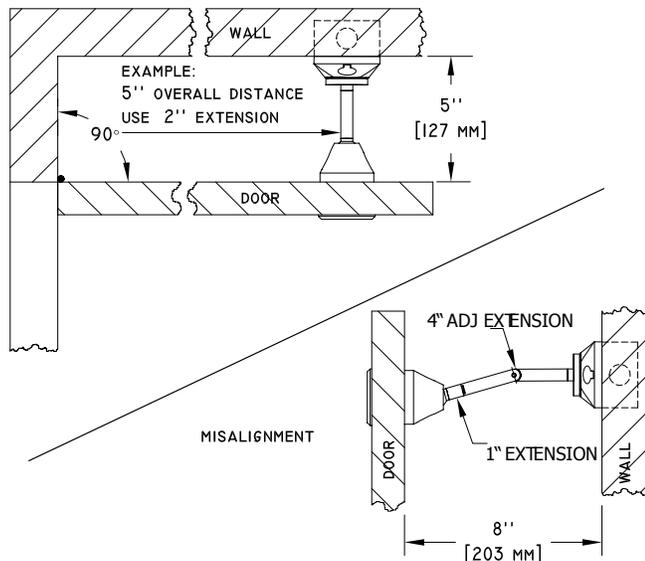


EXTENSION ROD/ADJUSTABLE EXTENSION ROD

To calculate extension rod length needed, use the formula below based on style holder being used.

- Flush mount:** Measure distance from door to wall when held at desired opening. Subtract 3" (76 mm) to obtain extension rod length needed.
- Recessed mount:** Measure distance from door to wall when held at desired opening. Subtract 2-3/8" (60 mm) to obtain extension rod length needed.
- Surface mount:** Measure distance from door to wall when held at desired opening. Subtract 4-5/8" (117 mm) to obtain extension rod length needed.

See example below using flush mount.





HOW TO ORDER ELECTROMAGNETIC DOOR HOLDERS

380

Product Group

380 - Electromagnetic Door Holder

F

Mount

- F - Flush
- G - Floor, Single Door
- H - Floor, Double Door
- R - Recessed
- S - Surface

120024

Voltage

- 120024 - 12/24V
- 240120 - 24/120V
- 240220 - 24/220V

LS

Finish

- 300 - Plated Brass
- LS - Powder Chrome
- L2 - Powder Dark Bronze

HOW TO ORDER ACCESSORIES

381

Product Group

381 - Accessory

E

Specifier

- A - Adjustable Extension Rod
- B - Surface Back Box
- C - Catch Disc
- D - Drilling Fixture
- E - Extension Rod
- H - Mounting Hardware
- S - Catch Plate Assembly
- W - Extension Wrenches

5

Size (Extension Rods)

- 5 = 1/2"
- 1 = 1"
- 15 = 1-1/2"
- 2 = 2"
- 3 = 3"
- 4 = 4"

LS

Finish

- 300 - Plated Brass
- LS - Powder Chrome
- L2 - Powder Dark Bronze





DOOR CONTROLS



380 Series

Grade 1

Heavy Duty Commercial, Institutional Electromagnetic Door Holder
Ideal for hospitals, hotels, schools, and other commercial buildings

- **One-year warranty**
- **Designed for use with self-closing fire and smoke barrier doors**
- **Low current draw**
- **Fail safe: when electrical current is interrupted, doors release to close automatically**



Certifications:

- UL/ULC listed
- Meets ANSI 156.15 for C00011
- California State Fire Marshall listed (CSFM)
- City of New York MEA approved
- Factory Mutual

Materials:

Zinc alloy

Voltages:

Standard dual voltage AC or DC inputs of 12&24V, 24&120V, 24&220V models

Holding Force:

Typical holding force of 25-40 pounds; performance value can be increased to 110 pounds on special applications

Mount:

Single or double coil floor, surface, flush, and recessed mount

Total Projection:

- Recessed mount: 2-11/32" (60 mm)
- Flush mount: 3-1/16" (78 mm)
- Surface mount: 4-5/8" (117 mm)
- Floor mount (single door): 5" (127 mm)
- Floor mount (double door): 9-5/8" (244 mm)

Fasteners:

Hardware package, mounting bracket

Finishes:

US3, LS, L2

Notes:

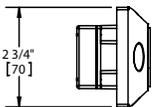
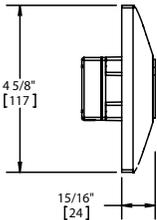
- Optional aluminum extension and misalignment rods available
- Drill fixture available
- Replacement catch disc and catch plate assemblies available
- Adhesive template included



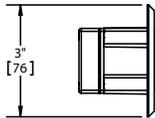
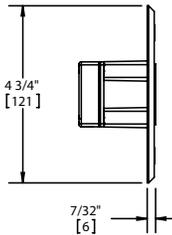


380 SERIES HOLDERS

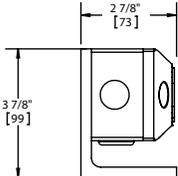
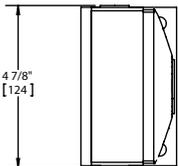
380F
Flush Mount



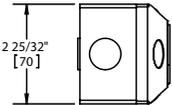
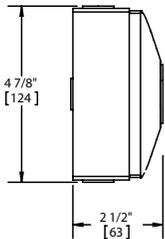
380R
Recessed Mount



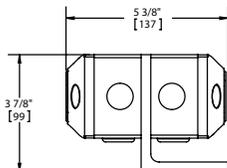
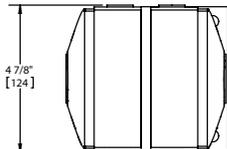
380G
Floor Mount (Single Door)



380S
Surface Mount



380H
Floor Mount (Double Door)





DOOR CONTROLS

380 SERIES ACCESSORIES



381A

Adjustable Extension Rod

Available extension lengths 1-1/2" (38 mm), 2" (51 mm), 4" (102 mm)



381E

Extension Rod

Available extension lengths 1/2" (13 mm), 1" (25 mm), 1-1/2" (38 mm), 2" (51 mm), 3" (76 mm), 4" (102 mm)



381B

Surface Back Box

2-25/32" x 4-7/8" x 1-1/2" (71 mm x 124 mm x 38 mm)
Supplied with 380G, 380H, 380S



381H

Mounting Hardware Package

Includes screws, nuts, concrete anchors, and drill bit



381C

Catch Disc

Replacement for the 381S catch plate assembly



381S

Catch Plate Assembly

Swivel design allows catch disc to move in all directions to assist with slight misalignment issues



381D

Drilling Fixture

Attach to the door for quick and accurate hole locations



381W

Extension Wrenches

Used to tighten extension rods to catch plate assembly

