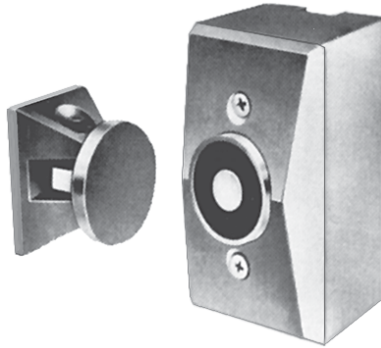


# DH Series

## Electromagnetic Door Holders



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### Description

Gamewell's DH Series of electromagnetic fire door holders are constructed of durable die-cast metal finished in high-lustre double chrome or brass plating.

Other features included standard dual-voltage AC and DC inputs of 24 and 120 volts (standard), as well as 12 and 24 volts and at 24 and 220 volts models. While reducing stocking requirements, the 24 and 120 volts model draws only 0.020 mA at 24 VDC, lowering overall job costs.

Other features include single or double-coil floor mounting, surface mounting and direct wall mounting. No brackets are required.

The DH Series door holders offer installation using an adhesive template assuring alignment without secondary adjustments. Accessories include extension and misalignment rods (various lengths) for correct alignment between door and wall at distances greater than 12.0" (30.48 cm) and misalignment over 4.0" (10.16 cm).

The aircraft-quality DH drill fixture reduces installation time and provides a near-perfect alignment of catch-plate and armature.

Basic units offer superior holding force and low residual magnetism. Models working at 12 and 24 volts and at 24 and 120 volts can operate at higher listed voltages, producing holding forces in excess of 100 pounds (45.3 kg) for special applications.

### Standard Application

Gamewell's electromagnetic DH Series door holders are designed to hold self-closing swinging doors open until energized by a remote sensing device responding to smoke, heat, or flames, alarm systems, or a switch. When de-energized, the door holder releases the door, enabling it to swing closed to check the spread of smoke, heat, or flames. The door holder can also be used in other remote door-closing applications as well.

The units are recommended for automatic area protection against smoke, heat, or flames in schools, hospitals, nursing homes, offices, and other public buildings of all kinds. Gamewell's DH Series of electromagnetic door holders are specially engineered for easy connection to detectors, sensors, alarm systems, and annunciators.

### Features

- Very low current draw.
- Superior holding force and low residual magnetisms.
- Durable die-cast metal.
- High lustre double chrome or brass plating.
- Dual-voltage AC or DC inputs.
- Terminal block connections.
- Single or double-coil floor, surface, and direct mounting (no brackets required).
- Aircraft-quality DH drill fixture available to reduce installation time and costs.
- Extension and misalignment rods.

### Listings

Listings and approvals below apply to the DH Series Electromagnetic Door Holders. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- UL Listed:

**Gamewell**   
A 150-Year Tradition

# Electrical/Mechanical Specifications

Voltage	DC/mA	AC/mA	Terminals	LB.	KG.
12 V	0.040	0.038	Common & Low Voltage	30	13.6
24 V	0.040	0.036	Common & High Voltage	30	13.6
24 V	0.020	0.019	Common & Low Voltage	40	18.1
12 V	—	0.020	Common & High Voltage	35	15.8
24 V	0.020	0.019	Common & Low Voltage	40	18.1
220 V	—	0.015	Common & High Voltage	25	11.3
24 V	0.085	0.081	Common & Low Voltage	75	34.0
120 V	—	0.100	Common & Low Voltage	110	49.8

NOTE: Holding forces listed in above table correspond with shaded values; non-shaded values are slightly less.

#### HIGH HOLDING FORCE/SPECIAL APPLICATIONS:

To obtain performance values in table above, apply high voltage to low voltage terminals (C & L). This configuration can only be applied to 12 & 24 volts and 24 & 120 volts models.

## Ordering Information

### Door holders:

- DH-FC1** Door holder, semi-flush, chrome.
- DH-FB1** Door holder, semi-flush, brass.
- DH-SC1** Door holder, surface mount, chrome.
- DH-SB1** Door holder, surface mount, brass.
- DH-GC1** Door holder, ground mount, single-door, chrome.
- DH-GB1** Door holder, ground mount, single-door, brass.
- DH-GC2** Door holder, ground mount, double-door, chrome.
- DH-GB2** Door holder, ground mount, double-door brass.

### Extensions:

- DHE1C** 1" (2.54 cm) Extensions rod, chrome.
- DHE1B** 1" (2.54 cm) Extension rod, brass.
- DHE15C** 1" (2.54 cm) Extension rod, chrome.
- DHE15B** 1" (2.54 cm) Extension rod, brass.
- DHE2C** 2" (5.08 cm) Extension rod, chrome.
- DHE2B** 2" (5.08 cm) Extension rod, brass.
- DHE3C** 3" (7.62 cm) Extension rod, chrome.
- DHE3B** 3" (7.62 cm) Extension rod, brass.
- DHE4AC** 4" (10.16 cm) Adjustable extension rod, chrome.
- DHE4AB** 4" (10.16 cm) Adjustable extension rod, brass.

### Accessories:

- DHCP** Catch plate, chrome.
- DHCPB** Catch plate, brass.
- DHSBC** Swivel base, chrome.
- DHSBB** Swivel base, brass.
- DHBBC** Back box, chrome.
- DHBBB** Back box, brass.
- DHW** Extension wrench. (2 pieces)
- DHDF** Swivel base mounting drill fixture.



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