

by Honeywell

Description

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

Other features include standard dual-voltage AC and DC inputs of 24 and 120 volts (standard), as well as 12 and 24 volts, and 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) to provide correct alignment between the door and the 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 the installation time and provides a near-perfect alignment of the catch-plate and armature.

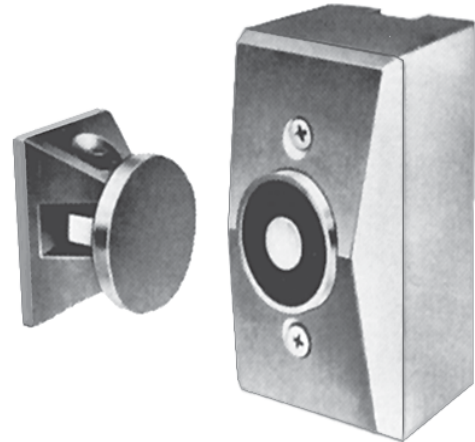
Basic units offer a superior holding force and a low residual magnetism. Models working at 12 and 24 volts and working at 24 and 120 volts can operate at higher listed voltages, producing holding forces in excess of 100 pounds (45.3 kg) for special applications.

Standard Application

Gamewell-FCI's electromagnetic DH Series door holders are designed to hold self-closing swinging doors that open when energized by a remote sensing device that responds to smoke, heat, 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. Gamewell-FCI's DH Series of electromagnetic door holders are specially engineered to provide a simple connection to detectors, sensors, alarm systems, and annunciators.

Electromagnetic Door Holders



DH Series

Features

- Supports a very low current draw.
- Offers a superior holding force and a low residual magnetism.
- Built with durable die-cast metal.
- Designed with a high-luster, double-chrome or brass plated finish.
- Provides dual-voltage AC or DC inputs.
- Contains terminal block connections.
- Includes a single-or double-coil floor, surface, and direct mounting (no brackets required).
- Constructed of an aircraft-quality DH drill fixture is available to reduce installation time and costs.
- Has extension and misalignment rods.

SIGNALING



LISTED

Electrical/Mechanical Specifications

Table 1 lists the electrical/mechanical specifications.

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

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

HIGHHOLDING FORCE/SPECIAL APPLICATIONS:

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

Table 1 Electrical Mechanical Specifications

Ordering Information

Door Holders:

Part Number Description

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.

Ordering Information (Continued)

Accessories:

Part Number Description

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.

GAMEWELL-FCI

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