

# Door Holders



DATASHEET

**VIMPEX**

Shaping Alarm Technology

# Door Holders

Arguably the single most important fire safety mechanism, electromagnetic door holders guard against the lethal spread of toxic smoke and fumes – by far the greatest cause of death in fires.

The Vimpex range of door holders offers the installer the broadest choice of mounting styles, holding power and installation accessories.

Mounted onto a fixed surface, these door holders ensure retention of the fire door by means of a smart metallic keeper plate. Interfaced with the fire alarm system, the door holders are de-energised as soon as the fire is detected thus releasing the door without the potentially harmful delay suffered by other types of devices.

All Vimpex door holders feature metal enclosures to guard against heat fatigue - a problem associated with lower quality, plastic enclosures.

**Conforms to BS EN1155 – Building Hardware – Electrically powered hold-open devices for swing doors.**



## Features

- Choice of holding power, 200-1000N
- Various styles and mounting methods available including heavy duty, wall mounted and universal units
- Standard units feature strong back box
- Heavy duty, high power versions stocked
- Integrated release button as standard
- Remote release buttons available

## Specification

| Description          | Standard DC |         | Standard AC |          |
|----------------------|-------------|---------|-------------|----------|
|                      | Surface     | Flush   | Surface     | Flush    |
| Model Number         | DH/S/24     | DH/F/24 | DH/S/230    | DH/S/230 |
| Rated Voltage        | 24Vdc       |         | 230Vac      |          |
| Nominal Current (mA) | 50          | 50      | 12          | 12       |
| Holding Force (N)    | 200         | 200     | 200         | 200      |
| Temp Range (°C)      | 0-30        |         |             |          |

| Universal Door Holder |                   |                   |                    |                   |
|-----------------------|-------------------|-------------------|--------------------|-------------------|
| Description           | 200mm 500N        | 300mm 500N        | 300mm 1000N        | 500mm 500N        |
| Model Number          | DH/UNI-200/24/500 | DH/UNI-300/24/500 | DH/UNI-300/24/1000 | DH/UNI-500/24/500 |
| Rated Voltage         | 24Vdc             |                   |                    |                   |
| Nominal Current (mA)  | 43                |                   | 76                 | 42                |
| Holding Force (N)     | 500               |                   | 1000               | 500               |
| Temp Range (°C)       | 0-40              |                   |                    |                   |

| Description          | Heavy Duty Door Holder |                  |                 | Weatherproof Door Holder |           |
|----------------------|------------------------|------------------|-----------------|--------------------------|-----------|
|                      | 200N Floor Mount       | 500N Floor Mount | 200N Wall Mount | DC                       | AC        |
| Model Number         | DH/HD/FM/200           | DH/HD/FM/500     | DR/HD/WM        | DH/WP/24                 | DH/WP/230 |
| Rated Voltage        | 24Vdc                  |                  |                 | 24Vdc                    | 230Vac    |
| Nominal Current (mA) | 45                     | 90               | 85              | 290                      | 43        |
| Holding Force (N)    | 200                    | 500              | 200             | 1200                     |           |
| Temp Range (°C)      | 0-30                   | 0-30             | 0-40            | 0-50                     |           |
| IP Rating            | N/A                    |                  |                 | 65                       |           |

| Decorative           |                    |                               |                     |                                |                             |
|----------------------|--------------------|-------------------------------|---------------------|--------------------------------|-----------------------------|
| Description          | Chrome Flush Mount | Chrome Flush Mount c/w switch | Brass Flush Mounted | Brass Flush Mounted c/w switch | Stainless Steel Flush Mount |
| Model Number         | DH/CF/24           | DH/CFS/24                     | DH/BF/24            | DH/BFS/24                      | DH/SSF/24                   |
| Rated Voltage        | 24Vdc              |                               |                     |                                |                             |
| Nominal Current (mA) | 60                 |                               |                     |                                |                             |
| Holding Force (N)    | 112                |                               |                     |                                |                             |
| Temp Range (°C)      | 0-40               |                               |                     |                                |                             |

# Product Range

## Standard Door Holders



- Supplied as standard with 200N holding strength
- Attractive finish, featuring a strengthened cast back box
- Metal enclosure means no heat fatigue
- Available in 230Vac and 24Vdc
- Flush mounted versions and units with a greater holding force also available

## Heavy Duty Door Holders



- Two versions available: wall mounted and floor mounted
- Heavy duty casting is vandal resistant
- Two holding forces available - 200N and 500N
- Designed for areas where accidental damage or vandalism is a problem
- Ideal for environments such as schools, hospitals, warehouses, car parks

## Universal Door Holders



These rugged and versatile door holders can be used for many different door holding applications. Universal Door Holders can be either floor or wall mounted.

Available in two standard lengths - 200 or 300mm, there is also a choice of two holding forces - 500 or 1000N. Please check the technical data for exact dimensions according to wall or floor configuration.

## Decorative Door Holders

These attractive door holders are ideal for prestigious installations which demand high spec. fittings. These units, available in chrome, stainless steel or brass-look finishes are supplied either with or without release buttons and with matching keeper plates.



These magnets fit directly to a standard single-gang electrical back box, which enables the unit to be easily flush-mounted. If surface mounting is necessary, then colour-matched kits can be used to conceal the surface mounted box. These are supplied with two 200mm entry holes and blanking plugs.

## Waterproof Door Holder

This robust waterproof unit is ideal for external use.

- Robust steel construction
- 1200N holding force
- Sealed against water ingress (IP65)
- 24Vdc and 230Vac versions available
- Supplied with keeper plate
- Terminated via IP65 connector (supplied)



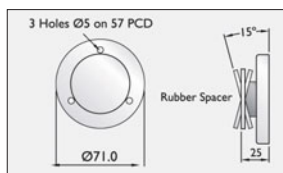
## Release Buttons

Sometimes an auxiliary release switch can be useful. This is particularly the case in care homes, where a resident may need to easily ensure privacy or for buildings such as cinemas and theatres where the fire door needs to be open only some of the time.

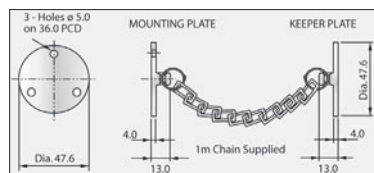


## Accessories

Among the many accessories available in the VimpeX Door Holder range are different keeper plate options:



200N Low Profile Keeper Plate  
Part No: DH/KP/LP/200



Keeper Plates with Extension Chains  
Standard - Part No: DH/CH  
With Rubber Ring - Part No: DH/CHO

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# Installation

Dimensions (mm)

## References

For in-depth advice on the mounting of door retainers, please refer to:

ODPM Approved document 'M' – Building Regulations 2000

BS8300 - Design of buildings and their approaches to meet the needs of disabled people – Code of practice

Association of Building Hardware Manufacturers (ABHM) – Best practice guide for electrically powered hold-open devices to BS EN1155

### Standard Door Holders

4 CSK HOLES Dia. 5

81

81

54

70.0

42

### Surface Mounted Holder

51.0

20.0

5.5

122

50

### Flush Mounted Holder

161

26

60.3

**Keeper Plate**  
Part No: DH/KP/STND

122

50

**Optional Floor Mounting Bracket**

99

80

28

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### Heavy Duty Door Holders

#### Floor Mounted Holder

96 (200N) / 96.5 (500N)

80

20 CABLE ENTRY

110

70

55

4 HOLES Dia. 5.5

#### Wall Mounted Holder

65

80

4 holes Ø 4.5

56

Release button

**Keeper Plate - Floor Mounted 200N**

70.0

42

4 CSK HOLES Dia. 5

Part No: DH/KP/STND

**Keeper Plate - Floor Mounted 500N**

28.0

Ø71.0

3 HOLES Ø5 on 57 PCD

Part No: DH/KP/LP/500

**Keeper Plate**

55

44

4 holes Ø 6

25

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### Weatherproof Door Holders

4 HOLES Dia. 5.2

CABLE Dia. 6-8 mm

102

45

42.0

#### Keeper Plate

89.0

4 HOLES Dia. 5.2 ON 78 PCD

42.0

**Keeper Plate**

86.0

20

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### Universal Door Holders

#### Floor/Ceiling Mounted

105

105

35

4 HOLES Ø5.3

#### Wall Mounted

250

350

38

**Keeper Plate**  
Part No: DH/KP/UNI

70.0

38

51.0

**Back Box Kit**

86

36

Dia. 20 BLANKING PLUGS

**Keeper Plate**

71.0

27

3 HOLES Dia. 5

**RUBBER SPACER**

71.0

27

|                      | 500N              | 500N              | 1000N              | 500N              |
|----------------------|-------------------|-------------------|--------------------|-------------------|
| <b>Holding Force</b> | 500N              | 500N              | 1000N              | 500N              |
| <b>Model Number</b>  | DH/UNI-200/24/500 | DH/UNI-300/24/500 | DH/UNI-300/24/1000 | DH/UNI-500/24/500 |
| <b>Dimension H1</b>  | 83                | 283               | 183                | 283               |
| <b>Dimension H2</b>  | 250               | 350               | 350                | 550               |

# VIMPEX

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Quality System Certificate No. 456  
Assessed to ISO 9001:2000



We reserve the right to change or amend any design or specification in line with our policy of continuing development and improvement.

Part No: DS/DOOR/ISS 10