PERTRONIC INDUSTRIES LTD

DATASHEET

Electromagnetic Door Holders

Magnetic Door Holder PSU	*(MAGDHPSU-MK2)*
Fire Door Holder, Wall Mount, Slim 38 mm	*(FDHWM38-24V)*
Fire Door Holder, Wall Mount, Extended 65 mm	*(FDHWM65-24V)*
Fire Door Holder, Wall/Floor Mount, 150/175 mm	*(FDHW/F175-24V)*
300/325 mm	*(FDHW/F325-24V)*
Floor Mounting Bracket for FDHWM38-24V	*(FDHFLBKT)*

Overview

Electromagnetic Door Holders allow fire detection and alarm systems to control fire doors.

When energised, the electromagnet holds the door open by magnetically attracting a keeper on the door. In the event of a fire alarm the electromagnet is de-energised, releasing the door.

Pertronic fire panels can control electromagnetic door holders using panel door holder relays, addressable relay modules, and ancillary peripheral devices.

Each door holder has a manual release switch, reverse polarity protection diode, and suppression diode. It is supplied complete with an adjustable keeper.

Pertronic Electromagnetic Door Holders including keeper, wall and floor mount holders

Features

- » Electromagnetic door holder
- » Adjustable keeper
- » Easily changed from floor mount to wall mount
- » Tested according to EN1155 (Electrically powered hold-open devices)
- » Manual release switch
- » Reverse polarity and suppression diodes

Specification

Operating Voltage		20.4 to 27.6 V
Power Consumption		1.6 W
Nominal Current		66 mA
Duty Cycle		100 %
Holding Force with 24 V		40 kgf
Protection Class		IP42
Corrosion Protection Grade EN 1155		3
Operating Temperature		-5 to +50 °C
Dimensions	FDHWM38-24V	110 x 85 x 38 mm (H x W x D mm)
	FDHWM65-24V	70 x 70 x 65 mm (H x W x D mm)
	FDHW/F175-24V	80 x 90 x 176 mm (L x W x H mm)
	FDHW/F325-24V	80 x 90 x 323 mm (L x W x H mm)

Products

FDHWM38-24V Wall Mount

This model features a manual release button that can be positioned on either side, or on top of the housing, without altering the wiring. Unused switch mounting positions can be used for cable entry. There is also an optional cable entry position at the back.

Adjustable Keeper Plate (± 60°) included.

FDHWM65-24V Wall Mount

This model is designed to bridge a wider gap between wall-mounting and door.

Adjustable Keeper Plate (± 60°) included.

FDHW/F175-24V & FDHW/F325-24V Wall or Floor Mount

These products feature an electromagnet that may be fitted in either of two mounting positions, so they are easily changed from wall mount to floor mount.
The electromagnet's position on the distance tube can be adjusted slightly. For larger adjustment the distance tube can be cut down.
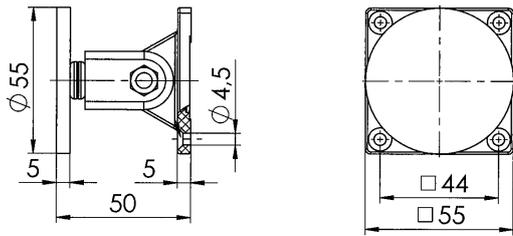
Adjustable Keeper Plate (± 60°) included.

FDHFLBKT Floor Mount

This bracket allows the FDHWM38-24V to be floor-mounted. The door holder can be mounted between the heavy-duty side-plates. The side plates provide protection ag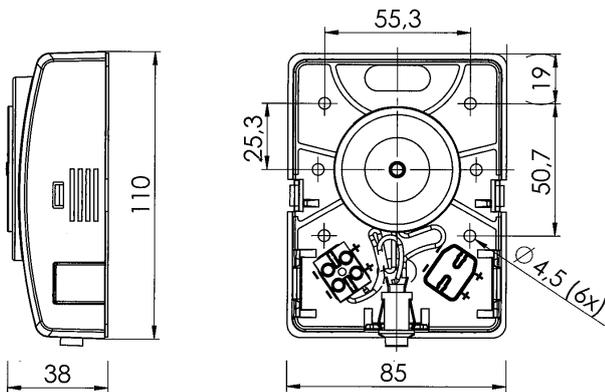ainst damage from accidental knocks. Alternatively, the door holder can be mounted on the other side of the bracket, allowing easier access to the door holder and cabling.
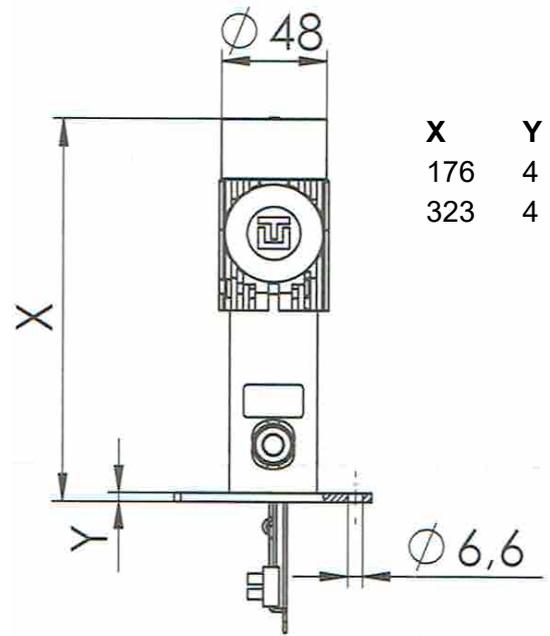
Adjustable Keeper Plate (± 60°) included.

Product Drawings

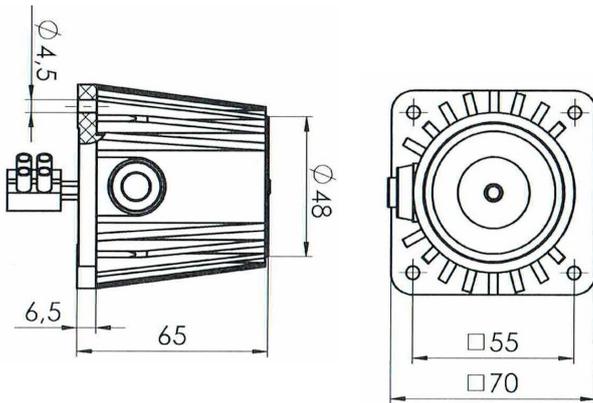Magnetic Door Holder, Keeper

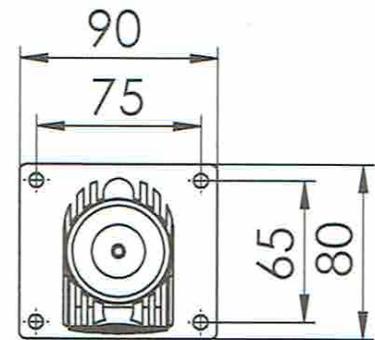FDHWM38-24V Wall Mount

X	Y
176	4
323	4

FDHWM65-24V Wall Mount

FDHW/F175-24V / FDHW/F325-24V
Wall Mount

Ordering Information & Notes

Product Code	Description
FDHWM38-24V	Fire Door Holder, Wall Mount, Slim 38 mm, 24Vdc, 66 mA, 40Kgf
FDHWM65-24V	Fire Door Holder, Wall Mount, Extended 65 mm, 24Vdc, 66 mA, 40Kgf
FDHW/F175-24V	Fire Door Holder, Wall/Floor Mount, 150/175 mm, 24Vdc, 66 mA, 40Kgf
FDHW/F325-24V	Fire Door Holder, Wall/Floor Mount, 300/325 mm, 24Vdc, 66 mA, 40Kgf
FDHFLBKT	Floor Mounting Bracket for FDHWM38-24V, PI653 Issue 2
FDHMTGBASE	Mounting Base for FDHW/F175-24 & 325-24V, 83 x 93 x 20 mm