

Fire detection and evacuation solutions that save lives.

# MultiAmp DH 250mA

## Features

- Mains Powered
- 250mA Door Holder Current
- Onboard Conventional Detection Zone
- Automatic Door Release Systems
- Release / Reset Switch on front panel

## Description

The MultiAmp-DH 250mA Door Holder Supply (DHS) provides up to 250mA of current at 24 VDC to operate door holders. The unit can operate as an “Automatic Door Release System” (ADRS) or respond to a secondary control.

When configured as an ADRS, conventional detectors are installed and connected directly to the DHS. The detection circuit is monitored for alarm, open, or short circuit conditions. The presence of any one of these conditions will deactivate supply to the door holders and cause doors to be released.

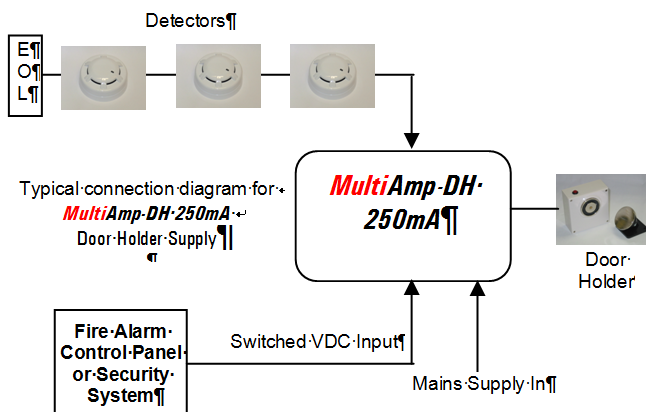
Alternatively doors may be released by a switched VDC input to the DHS, derived normally from a Fire Alarm Control Panel (FACP) or security system. The switched VDC input must be between 8 to 30VDC to release the doors.

Doors can also be released by pushing the ‘Release/Reset’ button on the front panel of the DHS.

The same ‘Release/Reset’ button is used to reset the detector circuit after an alarm condition is experienced. Application of the switched VDC input, as mentioned above, emulates the pressing of the button on the front panel.

The DHS is designed to be surface or recessed mounted on a plastic or metal wall box respectively.

## Application



MultiAmp DH 250mA

## Item Numbers

4510-1100	MultiAmp-DH 250mA Flush Mount
4510-1101	MultiAmp-DH 250mA Surface Mount

## Specifications

### Mechanical

Material	High Impact ABS
Finish	White
Dimensions (mm)	91H X 149W x 40D (Recessed) 91H X 149W x 53D (Surface)
Weight	Weight

### Power Supply

Mains Supply Voltage	230 VAC +/- 10% @ 47-63Hz
Door Holder Output Voltage	24 VDC @ 250mA
Operating Temperature	-5° to +45° C
Relative Humidity	25% to 95% (non condensing)

### Zone Detection Circuit

No of Zones	1 (one), 2-wire system
Zone Monitoring	Open and short-circuit
Zone Current Load	4.8mA max
EOL Value	3k3 ohm
No of detectors/circuit	40 (Max)

### Input Available Input Available

Switched VDC Input	Inactive state: 0 to 2 VDC Active state: 8 to 30 VDC
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