



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.

Item Number

Item Number	Description
4510-1100	MultiAmp-DH 250mA Flush Mount
4510-1101	MultiAmp-DH 250mA Surface Mount

Specifications

Indicators		Controls	
DESCRIPTION	COLOUR	DESCRIPTION	FUNCTION
Power	Green	Release/Reset	Resets the detection circuit and manually releases door holders
Doors Released	Amber		
Remote Trigger	Amber		
Mechanical			
Material	High Impact ABS		
Finish	White		
Dimension (mm)	91H X 149W x 40D (Recessed) 91H X 149W x 53D (Surface)		
Weight	400g packed		
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%		
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			
Switched VDC Input	Inactive state: 0 to 2 VDC Active state: 8 to 30 VDC		