

GFE-DHA-V2

Addressable Magnetic Door Holder



Overview

The GFE-DHA-V2 Addressable Magnetic Door Holder is a loop powered addressable magnetic door holder. It does not require external supply as it is directly powered by the loop. The activation of the unit is achieved using cause and effect programming as used for I/O units.

If the power is removed or the communication with the panel is lost, the unit will automatically release after approximately 30 seconds. A built-in loop isolator is provided. When a short condition exists on either side of the loop connections, a Yellow LED will be turned ON. Its operation will be reset after the fault condition is removed.

The GFE-DHA-V2 is fitted with 3 status LEDs. The Green LED will flash slowly when the battery is charged, and flash faster when the battery is in charge mode. The presence of this LED also indicates that the device is polled by the addressable panel. The Yellow LED indicates that the isolator is active (short circuit in the loop cables).

The combination between the Green and Red LED returns several status information decoded in a table.

The activation of the GFE-DHA-V2 can be achieved as part of the cause and effect programming of the panel and it operates in the same way as an I/O unit.

This GFE-DHA-V2 should normally be assigned to either a specific device or zone. Up to a maximum of 20 of these units can be fitted on a particular loop.

Features

- Detection of forced open door with automatic re-release
- Detection of forced jumper removal
- Fail-safe functionality
- Improved power management, 95% energy saving over conventional technology
- Enters sleep mode after 30 min of loop failure, with auto wake-up after the loop is reestablished
- Battery test mode and battery fail detection
- Battery safe mode in packaging conditions (sleep) in case the jumper is left connected
- Battery overcharge detection

Technical Specifications

Feature Description	Specification
Power Supply	
Supply Voltage	Loop Powered - 17V DC to 30V DC
Loop Current - Quiescent / Charging	800 uA (650 uA module + 150 uA isolator) / 7 mA
Sleep Mode Consumption	28 ~ 60 uA
Isolator - Loop Line Resistance	60 mOhms
Operational	
Address Range	1-125
Magnetic Force	200 N
Charge Up Time / Fail Safe Release Time	25s / 30s
Manual Release	Push Button - Normally Open

Feature Description	Specification
Physical	
Dimensions (Magnet)	112.5 (H) x 84.2 (W) x 46.8 (D) mm
Dimensions (Keeper)	55 (H) x 55 (W) x 50 (D) mm
Weight (Keeper)	139 g
Weight (Magnet with Module)	580 g
Weight (Complete Boxed)	746 g
Max. Cable Size	2.5 mm ²
Environmental	
Operating Temperature	0°C to 50°C
Max. Humidity	95% RH Non-Condensing

Ordering Information

Order Code	Part No.	Description
GFE-DHA-V2	GFE-DHA-V2	Addressable Magnetic Door Holder

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