



GFE-DHA-V2

ADDRESSABLE MAGNETIC DOOR HOLDER

The unit 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 module 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 informations decoded in a table.

The activation of the module 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 unit 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.

KEY 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
- In alarm_attachment_monitor function (programable)
- Enter in sleep mode after 30 min of loop fail, 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

SUPPLY VOLTAGE	Loop Powered - 17V DC to 30V DC
ADDRESS RANGE	1-125
LOOP CURRENT - QUIESCENT / CHARGING	800 uA (650 uA module + 150 uA isolator) / 7 mA
ISOLATOR - LOOP LINE RESISTANCE	60 mOhms
SLEEP MODE CONSUMPTION	28 ~ 60 uA
CHARGE UP TIME / FAIL SAFE RELEASE TIME (1)	25s / 30s
MANUAL RELEASE	Push Button - Normally Open
MAX. CABLE SIZE	2.5 mm ²
MAX. HUMIDITY	95% RH Non-Condensing
OPERATING TEMPERATURE	0°C to 50°C
MAGNETIC FORCE	200 N
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

1) *Fail Safe Release Time is defined as the time taken to release the door after removal of loop power or loss of communication with the control panel is detected.*

ORDER CODE

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