

BS7273-4 Door Release System Specification

Compliance with standards

The BS7273 part 4 2007 is the code of practice governing door holders and door release mechanisms. The door release system shall offer a compliant solution to meet the requirements of section 5 of BS7273-4 Category A installations by ensuring the fail safe operation of actuation of release mechanisms in conjunction with the existing output module and wider fire system.

General

The system shall comprise loop addressable output module, failsafe measure and enclosure.

The door release system shall be compatible with 12-24VDC door hold systems and include a volt free contact.

The system shall be capable of driving a third party relay to switch mains giving the added benefit of separating the fire system from direct mains connection.

The system shall provide a reduced activation time test mode.

The system shall provide visual indication of loop power status, loop communication and activation status via a bi-colour LED.

The system shall mount in a purpose made surface mount box, panel mount clip for mounting in to other equipment housings or on a DIN rail mounting clip.

Loop communication failure and/or power failure shall be able to be simulated to demonstrate the functionality of the module via the removal of an integral jumper.

Functionality

The door release system shall offer a compliant solution to meet the requirements of section 5 of BS7273-4 Category A installations by ensuring the fail safe operation of actuation of release mechanisms in conjunction with the existing output module and wider fire system.

Address setting

The system shall utilise one module address.

Addressable Modules that use binary address setting methods, such as a dip switch, code cards or soft addressing are not acceptable.

Address switches shall be viewed in two plains such that the address is visible when mounted in a surface mount box or DIN / panel mounted.

Visual indication

The system shall provide three bi-colour LED's to show the status of each module address. The LED's enable red, amber and green local status indication also indicating that the module is operational and in regular communication with the C.I.E.

The LED's shall be configurable from the C.I.E to give visual indication of:

- Device Healthy
- Fire
- Fault – Isolation in use
- Test Mode

Additional requirements

Up to 159, addressable Modules may connect to one Signalling Line Circuit Loop.