

QuietDoor-HTs

High Traffic Sliding Radio Frequency Shielded Door

r a y m o n d e m c



The extremely low maintenance requirements of the QuietDoor-HTs make it the perfect radio frequency shielded door solution for high-traffic EMI/RFI systems where physical location does not allow for the swing of a hinged door. The compression-type seal offers high shielding effectiveness while eliminating the constant wear and oxidation seen with conventional RCM shielded doors.



Features

- Designed for high traffic applications (>200,000 cycles/year)
- Fingerless, low maintenance dual RF seal
- LM guide keeps door motion smooth and precise
- Standard clear opening of 915mm (36") x 2135mm (84") with custom sizes available
- Mounted in a modular shielded closet that mates easily with standard modular or welded enclosures
- Programmable Logic Controller (PLC) based pneumatic controls

Operation

- Push-button or card swipe/keypad activation
- Standard fully automated operation
- Door slide speeds and close delay are completely customizable to user specifications

Safety

- Upon loss of air pressure or electrical power, the system automatically decompresses for easy egress with the manual handle
- Life Safety Systems (LSS) such as fire alarms can be interfaced directly to the PLC to decompress and open all doors in case of an emergency
- Standard pressure sensors spanning the entire height of the leading edge of the door help protect against accidental closings while equipment or personnel are in the path of the door

Warranty

- 2-year limited warranty

System Requirements

- 115VAC 15A circuit
- 110 cfm clean dry compressed air

QuietDoor-HTs Shielding Effectiveness Levels

Magnetic Fields: 20dB at 1kHz rising to 65dB at 10kHz and 105dB at 200kHz

Electric Fields: 120dB from 200kHz to 50MHz

Plane Waves: 120dB from 50MHz to 1GHz

Microwaves: 110dB at 10GHz

(Shielding Effectiveness Testing Standard: ITSG-02)