

QuietDoor-HTh

High Traffic Hinged Radio Frequency Shielded Door

r a y m o n d e m c



The extremely low maintenance requirements of the QuietDoor-HTh make it the perfect radio frequency shielded door solution for high-traffic EMI/RFI systems. The compression-type seal offers exceptional 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 RF seal
- Standard, fully rectangular clear opening of 915mm (36") x 2135mm (84") with custom sizes available
- Mounted on a standard size 1219mm (48") x 2438mm (96") shielded panel for easy retro-fit
- Heavy duty construction including four hinges and four latching points
- Programmable Logic Controller (PLC) based pneumatic controls
- Lockable, all aluminum cover allows access to controls

Operation

- Push-button or card swipe/keypad activation
- Standard overhead hydraulic door closer
- Optional full automation including overhead door swing operator

Safety

- Upon loss of air pressure or electrical power, the system automatically unlatches for easy egress
- Life Safety Systems (LSS) such as fire alarms can be interfaced directly to the PLC to unlatch all doors in case of an emergency
- Latch pins are specifically designed to avoid becoming jammed

Warranty

- 2-year limited warranty

System Requirements

- 115VAC 15A circuit
- 80-100 psi 5 CFM clean dry compressed air

QuietDoor-HTh 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: 120dB at 10GHz

(Shielding Effectiveness Testing Standard: ITSG-02, IEEE Std 299-1997, NSA-65-6)