

# 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
- 80-100 psi 5 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: 120dB at 10GHz

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