OS-D3

The OS-D3 is a contactless, mullion-mounted reader capable of reading smartcard proximity cards. This reader is compliant with ISO 14443 Type A & B and integrates 13.56-MHz contactless smart card proximity RFID technologies into this reader.

The OS-D3 reader is designed to cover both smartcard and the worlds popular Mifare platform to offer a globally accepted, secure and versatile access control solution. The OS-D3 reader supports the most popular smart card for simple system integration and the freedom to target different applications with the most convenient card technology.

To ensure the integrity of RF data transactions, data communication between the cards and readers is encrypted using a strong key with a challenge response protocol to thwart replay attacks. These versatile readers offer a wide range of adjustable settings to satisfy each customer's individual needs, application requirements, and system specifications.

EASY INSTALLATION

• Mounts to US single-gang wall box or to flat surface. Can be mounted directly on metal with spacer.
• Quick installation, with only two mounting screws necessary
• Horizontal and vertical mounting slots standard for alignment
• Electronics are sealed in weather-and tamper-resistant epoxy potting for both indoor and outdoor operation
• IP67 rating

ADVANCED TECHNOLOGY

• Supports Contactless Smart cards, Mifare 1K & 4K, Ultralight (CSN only), DESFire (CSN only)
• Supports both sector and card serial number (CSN) reading
• FIPS201, US Government approved Transparent Reader (supports PIV Types A & B)
• TWIC: reads CHUID data
• Wiegand and magnetic stripe outputs

STRONG SECURITY

• Validation process between readers and Mifare 1K & 4K credentials
• RF transactions between reader & Mifare 1K & 4K credentials is encrypted
• Customer exclusive encrytion keys available for personalized security
• Anti-Tamper Mode available

DIMENSIONS & WEIGHT

• 1.7" x 3.2" x 0.7" (43 mm x 81 mm x 17 mm)
• 3 Oz (85 g)

ADDITIONAL FEATURES

• External standard four-state LED (red, green, amber, off) and audio tone (beeper) with provisions for both system and local control
• Comes standard with black and off white bezel covers to meet any decor

POWER

• +5 to 14 VDC (12 VDC nominal) 5mA minimal, 45 mA typical, 80 mA peak
• Linear power supply recommended

INPUTS/OUTPUTS

• Standard external piezo beeper
• Standard external four-state LED

READ RANGE

• Up to 1.5 inches (38 mm) for 13.56 MHz

OPERATING TEMPERATURE

• -40º to 65º C
• -40º to 150º F

MOUNTING

• Can be mounted directly on metal
• Cable from the reader can be run up to 500 ft.

CERTIFICATIONS

• FCC, CE, C-Tick, CSA, UL

ORDERING INFORMATION

OS-D3   **OS-D3 13.56 MHZ Smart Card Reader**
OS-D3-M   **OS-D3-M 13.56 MHZ Smart Card Mifare Reader**