

# Spectrum

## EX-JB-D1-READER-XXXXX

### ID Badge Reader

### Key Features

- Global Hazardous Compliance
- High-Security Tamper Unit
- Superior Thermal Safety
- Marine-Grade Durability
- Integrated Power Protection



### Description

The EX-JB-D1-READER is a specialized, explosion-proof access control station designed for high-security checkpoints in the world's most demanding hazardous environments. Engineered to house a high-performance HID® badge scanner within a rugged, copper-free aluminum enclosure, it provides seamless personnel authentication for Class I and II, Division 1 areas. Featuring a clear viewing window and an integrated fused terminal block, this unit ensures that facility security and worker safety are never compromised, even in the presence of volatile gases and combustible dusts.

#### Technical Specifications

- Input Voltage: 12 VDC
- Current Draw: 75mA
- Output Voltage: 0-60 VDC (100mA Max)
- Temperature Range: -20°C TO +40°C
- Enclosure Material: Copper-Free Aluminum
- Mounting: Integral mounting feet (9.13" x 6.25" centers)
- Window Type: High-Clarity Tempered Glass
- For use with user supplied UL294 approved device.

#### Certifications & Warranty

Explosion-proof Certifications	cETLus 106453236DAL-0
Certifications	Class I, Division 1, Groups B,C,D, T6 Class I, Zone 1, Group IIB+H2, T6 Class II, Division 1, Groups E,F,G , T85 °C Zone 20 or 21, Group IIC, T 85°C
Standards	Conforms to: UL Standard 1203 Certified to: CSA Standard C22.2 #30 & #25 Intertek Listing: 5014759
Warranty	3 Years

### Approvals



8935 ALMEDA GENOA RD.  
HOUSTON, TEXAS 77075  
USA  
CONFORMS TO UL STANDARD 1203  
CLASS I, DIVISION 1, GROUPS B, C, D, T6  
CLASS II, DIVISION 1, GROUPS E, F, G, T85 °C  
ZONE 20 OR 21, GROUP IIC, T 85°C

MODEL: EXJB-D1-READER-XXXXX  
SERIAL: XXXX-MN-DY-YEAR

Input Voltage: 12 VDC, 75 mA  
Output Voltage: 0-60 VDC, 100mA Max  
Temp: -20°C TO +40°C, Type 4

**CAUTION:** To reduce the risk of ignition of hazardous atmospheres, disconnect the equipment from the supply circuit before opening. Keep assembly tightly closed when in operation.  
**WARNING:** To reduce the risk of ignition of hazardous atmospheres, conduct runs must have a sealing, flaring, connected within 2 inches of this enclosure.  
**AVERTISSEMENTS:** OUVRIR LE CIRCUIT AVANT D'ENLEVER LE COUVERCLE, ou KEEPER COVER TIGHT WHILE CIRCUITS ARE ALIVE.  
**SAFETY:** KEEPER COVER TIGHT WHILE CIRCUITS ARE ALIVE.  
**AVERTISSEMENTS:** UN SCHEMFAT DOET STRIKEN WORDEN VOOR DE DEUR TOEGANG.