

DESCRIPTION

PRODUCT COVERED:

USL, CNL Vibration Monitor Sensor VS1 and VS2 for use in Class I, Groups C and D; Class II, Groups E, F, and G Hazardous Locations.

GENERAL:

The Models VS1 and VS2 are complete monitoring systems that provide a feedback signal concerning vibration detection, or can be used to shut down the equipment. VS1 is primarily used for detecting over-or-under vibration of machinery while VS2 is primarily used for detecting over-or-under vibration of vibrating equipment (vibrating conveyor belt). The devices are permanently mounted and connected to a power supply source.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE)

USL indicates investigation to the following standards:
*UL 1203, Explosion-Proof and Dust Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations, 4th Ed.

CNL indicates investigation to the following standards:
CSA 22.2 No. 30-M 1986, Explosion-Proof Enclosures for Use in Class I Hazardous Locations, and CSA 22.2 No. 25-M 1966, Enclosures for Use in Class II, Groups E, F, and G Hazardous Locations.

Spacings - The VS1 and VS2 were evaluated to UL 508, Table 36.1.

ELECTRICAL SPACINGS:

Electrical spacings are at least 1/16 in. through air and over surface of insulating material between live parts and uninsulated live parts of opposite polarity, uninsulated ground parts to other than the enclosure ground terminal or exposed metal parts. The spacing between uninsulated live parts and the enclosure is at least 1/4 in.

RATINGS:

Electrical -
 Input - 24 VDC, 30 mA
 Relay - 24VDC, 5A
 240VAC, 5A

Environmental -
 Ambient = -25°C to 65°C
 TCode = T6

MARKINGS:

The following elements should be provided on a metal name plate or plates mechanically attached, or shall be embossed, stamped, or cast into the product:

1. Listee's name and/or registered trademark.