

# SAFE INSTALLATION MANUAL (FM APPROVAL)

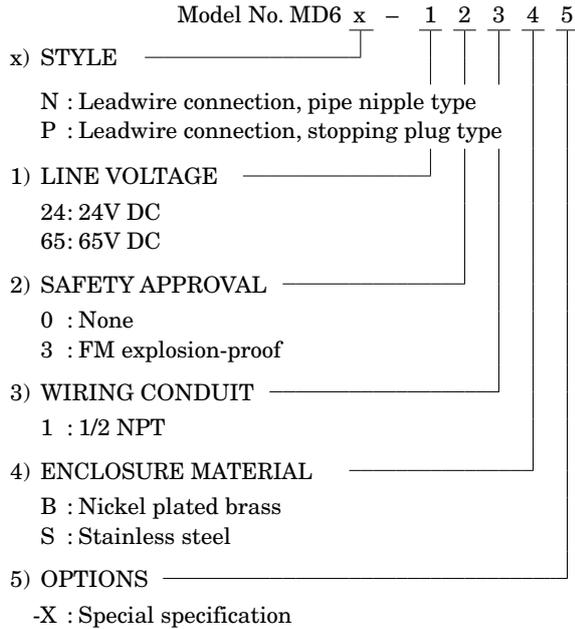
<b>LIGHTNING SURGE PROTECTOR FOR STANDARD SIGNAL LINE &amp; PULSE USE</b> (conduit mount, weather-proof)	MODEL	<b>MD6x-24</b>
		<b>MD6x-65</b>

## BEFORE USE ....

### ■ SAFETY PRECAUTIONS

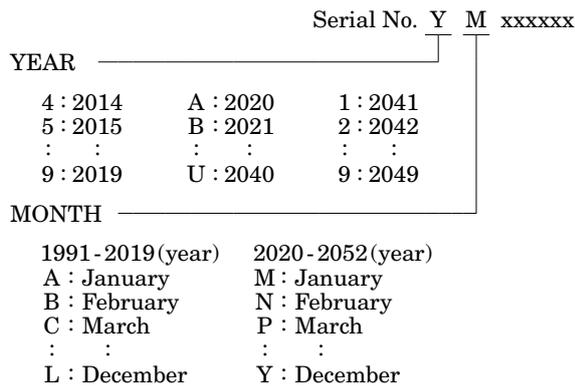
This manual describes important points of caution for safe use of this product in potentially explosive atmosphere. Please read this manual carefully before installing and operating the product.

### ■ MODEL NUMBER IDENTIFICATION



### ■ MANUFACTURED DATE CODE IDENTIFICATION

The manufactured year and month can be identified by the serial number described on the specification label.



## ⚠ WARNING

### Explosions could result in death or serious injury:

- Before you remove the unit or mount it, or before you connect or disconnect the wiring, turn off the power supply and the input signal for safety. Do not disconnect unless the area is known to be non-explosive.
- Whenever you need to measure voltage across the terminals or apply a simulated input signal to the terminals, make sure that there is no danger of explosion in the atmosphere.
- Verify the certification of the product described on the specification label on the product.
- Verify that the operating atmosphere of the product is consistent with the appropriate hazardous locations certifications.
- Verify that the environmental temperature is within the temperature class required for the area.

### Failure to follow these installation guidelines could result in death or serious injury:

- Make sure only qualified personnel perform the installation.

## ⚠ SAFETY FEATURES & CAUTIONS

### ■ EXPLOSION-PROOF and DUST-IGNITION PROOF APPROVAL

- Explosion-Proof  
 Class I, Division 1, Groups A, B, C and D
- Dust-Ignition-Proof  
 Class II, Division 1, Groups E, F and G  
 Class III, Division 1
- Enclosure Rating: NEMA 4X
- Temperature Code: T6
- Ambient Temperature: -40 to +80°C
- All wiring shall comply with National Electrical Code ANSI/NFPA 70 and Local Electrical Codes.
- The apparatus to be protected by the product and its wiring components shall be of a certified explosion-proof type, suitable for the conditions of use and correctly installed.
- Prior to installation, check that the safety class of this unit satisfies the system requirements.
- Before wiring, make sure there is no danger of explosion in the atmosphere.
- Thread type for the conduit is 1/2 NPT.
- Five or more threads must be engaged with the protected equipment.
- Squeeze the unit into the conduit with a proper tool
- Before turning the power supply on, be sure to the unit squeezed tightly.
- Maximum continuous voltage (Uc)  
 MD6x-24: 28V  
 MD6x-65: 66V