

MX1 SERIES



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Moisture Detector

Installer's Specifications

| | |
|---------------------------------------|---|
| Input Power | 12-30VDC/24VAC; 10-year lithium battery model available |
| Max. Current Draw, Voltage Units Only | 10mA |
| Output | N.C. solid-state; opens on alarm |
| Output Rating | 30VAC/DC @ 0.1A max., polarity insensitive |
| Sensing Electrodes | Gold plated |
| Sensor Power, Voltage Units Only | 24VDC/24VAC nom., 30VDC/30VAC max. |
| Operating Environment: | |
| Temperature | -20° to 80°C (-4° to 176°F) |
| Humidity | 0 to 100% RH |

NOTICE

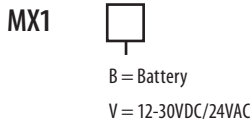
- This product is not intended for life or safety applications.
- Do not install this product in hazardous or classified locations.
- Read and understand the instructions before installing this product.
- Turn off all power supplying equipment before working on it.
- The installer is responsible for conformance to all applicable codes.

QUICK INSTALL

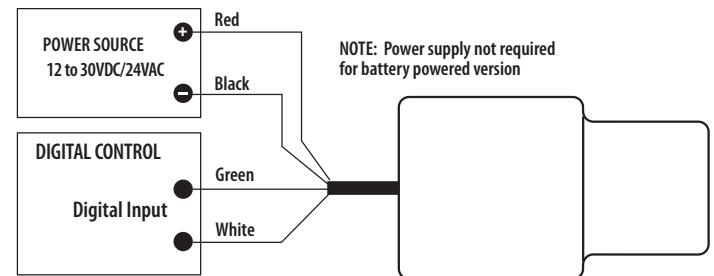
1. Install the MX1 in the area to be monitored (e.g. under carpet, on pipe, in condensate pan, etc.). Install bottom side down, so that probes will be in contact with any moisture that collects.
2. Mount MX1 using self-tapping screw provided.
3. Wire as shown.

PRODUCT IDENTIFICATION

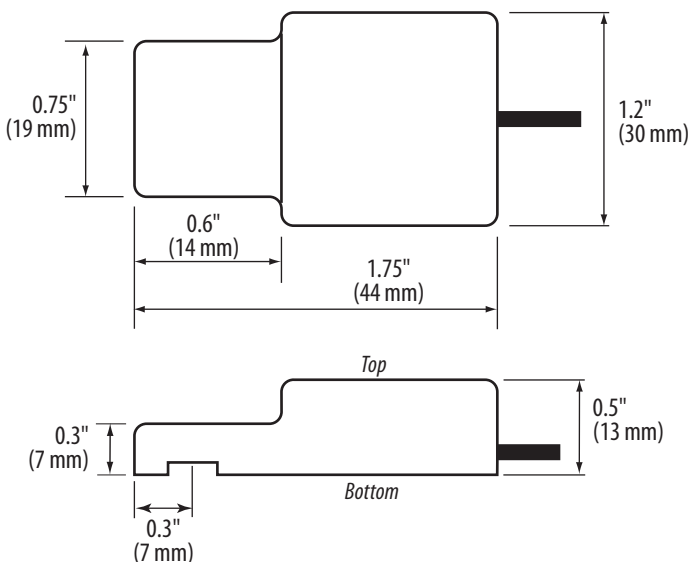
Power Source



WIRING



DIMENSIONS



OPERATION

When the area surrounding the device is dry, there is infinite resistance between the probes. When liquid comes into contact, the resistance decreases. When the resistance is <1000 kΩ, the alarm will trigger.

The following table shows typical resistance values for several common solutions. These values are approximations; the resistance will vary greatly with concentration of contaminants in the water.

| Equivalent Resistance Values of Water | |
|---------------------------------------|------------|
| Water | Resistance |
| Distilled | 2000 kΩ |
| Filtered | 350 kΩ |
| Tap | 300 kΩ |
| Ice (Melted) | 150 kΩ |
| Detergent | 100 kΩ |
| Salt | 75 kΩ |

All sensors are factory tested in clean, filtered water at 27VAC. Do not use the MX1 sensor in distilled water.