

## MOISTURE DETECTOR MODULE

### Model MDM 146-100-000

The SOSI Series 146-100-000 Moisture Detector Modules are designed to detect the presence of conductive liquids. These "leak" detectors provide full galvanic isolation between the sensing probes and the system power and signal connections. Their proven design insures reliable operation that you can depend upon. The leak detectors are designed to be used in standard industrial control module racks and are available in the three most common sizes.



### Mechanical Characteristics

- Miniature: 0.40" W x 1.70" L x 1.00" H
- Standard: 0.60" W x 1.70" L x 1.25" H\*
- G4: 0.46" W x 1.90" L x 2.20" H\*
- All sizes with 5  $\varnothing$ .040/.042" Pins, 0.235  $\pm$  .020" Long

\* One 4-40 UNC mounting screw

### Electrical Characteristics

- Vcc: 3 - 7 VDC
- Supply Current: < 50 mA
- Output: Open Collector, 50 mA max.
- Isolation: 750 VAC min.
- Probe Spacing: 1 cm
- Sensitivity: 0 output with liquid conductivity of 2  $\mu$ S/cm or greater

### Connections

Pin 1	Probe contact 1
Pin 2	Probe contact 2
Pin 3	Vcc
Pin 4	Output
Pin 5	Ground

