



Meter Engineers, Inc.

Sphere Detection Switch Electrical Element Specifications

Housing

Size: Standard probe lengths: 1.025" (26 mm)

Materials: Stainless Steel bar stock

Conduit Outlet: Mini-change standard

Sensing

Target Material: Ferrous

Sensing Range: Approx. .090" (2mm) end sensing (3,000 PSI)
(Recommended air gap .015" -.040")

Contacts

Materials: Palladium silver

Form: Single Pole, Double Throw

Ratings: Resistive

AC		DC	
Volts	Amps	Volts	Amps
120	4	24	3
240	2	48	*
480	*	125	0.5
		250	0.5

Performance

Repeatability: .002" (.05 mm) typical

Response Time: 8 milliseconds

Differential: Approx. .020" (.51 mm)

Operating Temperature: -40°F (-40°C) to 400°F (204°C)

Pressure Rating: Stainless steel 3,000 PSI operating (UL tested 4x burst)

Approvals

Approvals: UL and CSA

