

A02

RF capacitance level switch KTEK products

Measurement made easy



Features

- Remote mounting up to 50 ft.
- Built-in static protection
- DPDT relay
- Ambient temperatures up to 185°F/85°C
- Explosion-proof enclosure (No Agency Approvals)
- 0 to 30 second time delay
- Temperature compensation
- Switching capacitance of 0.2 picofarads

Options

- Extended lower bushing
- Flanged process connections
- Epoxy coated aluminum enclosure

Applications

Dry Bulk Applications

- High or low level alarm
- Plugged chute detection
- Fly ash hopper level
- Pellets
- Granules
- Powders
- Chips
- Flakes

Liquid Applications

- High or low level alarm
- Interface
- Slurries
- Flow/no flow
- Liquid/foam interface
- Foams
- Conductive products
- Non-conductive products
- Organic
- Inorganic

Special Applications

- High temperature
- Corrosive environments
- High pressure
- Special probe materials

Specifications

Environmental

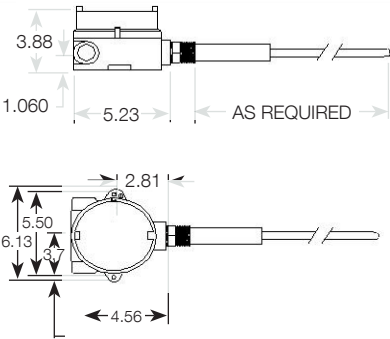
Housing type	Explosion Proof, Polyurethane Enamel Coated, Copper Free Aluminum
Temperature	Electronics: -40 to 185° F / -40 to 85°C
Dielectric	Ideal: 2 or greater with standard probe; Consult factory for probe selection on lower dielectric applications.

Electrical

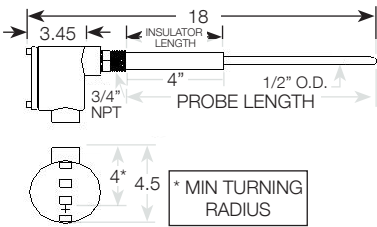
Input Power	95-130 VAC, 50-60 Hz, 2 Watts; 180-260 VAC, 50-60 Hz; 24 VDC +/- 5%
Relay Contact Rating	Resistive: 5 Amp, 250 VAC; 5 Amp, 30 VDC; Inductive: 1/10 HP 125, 250 VAC
Sensitivity	With an initial load of 30 pF an increase of 0.2pF can be detected
Static Protection	Maximum Surge Current: 100 amps; Clamp Voltage: 75 volts
Process Connection	3/4" NPT Unless Otherwise Stated
Approvals	NEMA 4 Only, No Hazardous Approvals

Dimensions

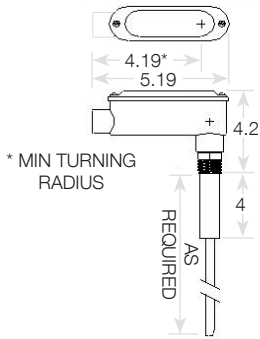
INTEGRAL-MOUNT
ENCLOSURES - TYPE H



REMOTE
ENCLOSURES - TYPE E



REMOTE ENCLOSURE - TYPE G



Ordering Information

A02.a.b.c.d.e:

.a		Operating Voltage			
	A	120 VAC			
	B	240 VAC			
	D	12 and 24 VDC			
.b		Probe Type	Operating Temperature	Operating Pressure	
	1	316SS Probe / 4" *Delrin® Lower Bushing	A	A	
	2	316SS Probe / 4" *Teflon® Lower Bushing	C	A	
	5	Fly Ash Probe / 8" 316SS Inactive Sheath	D	B	
	6	Bare probe / 13" 316SS Weight	A	D	
	8	CPVC Covered Cable / 13" Nylon Weight	A	D	
	N	*Teflon® Covered Cable / 13" *Teflon® Weight	C	D	
	B	Macroprobe (3/4" OD Probe *Delrin® Bushing)	A	A	
	T	Macroprobe (3/4" OD Probe *Teflon® Bushing)	C	A	
	K	Quick Release Clamp Probe / 4" *Teflon® Bushing	C	A	
	L	Quick Release Clamp Probe / *Teflon® Sheathed Probe	A	A	
	R	*Teflon® Sheathed Probe / 316SS Mounting Nipple	C	A	
	S	*Teflon® Sheathed Probe / *Teflon® Mounting Nipple	C	D	
	U	Flush Mount Detector – Aluminum / *Delrin® Bushing	A	D	
	W	Concentric Shield 304SS / *Teflon® Sheathed Probe	A	A	
	X	*Teflon® Sheathed Probe / 316SS Inactive Sheath	A	A	
*Registered Trademark of DuPont					
.c		Probe Length			
	xxx	Rigid Probe in Inches; Cable Probe in Feet			
.d		Options			
	O	No Options			
	C	Epoxy Coating Aluminum Enclosure			
	F	Flanged Connection (Specify Loose or Welded, SLG-0001-1)			
	L	Stainless Steel Tags			
	Z	Any special option not included in above description. Includes but not limited to: Extended Lower Bushing or Remote-Mount Connector Cable			
.e		Enclosure			
	H	General Purpose			
	G	Remote NEMA 4			
	E	Remote General Purpose			
	Z	Special, Explain			
Note: Electrical enclosure is type H when remote mounted electronics are selected.					

Operating Temperature Codes		Operating Pressure Codes	
A	-40 to 185°F / -40 to 85°C	A	1500 psi @ 77°F / 103 bar @ 25°C
B	-40 to 320°F / -40 to 160°C	B	Static Head Only (Consult Factory)
C	-40 to 450°F / -40 to 230°C	C	150 psi / 10.3 bar
D	200 to 1400°F / 95 to 760°C	D	100 psi / 7 bar

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Sales



Service