

Overview

- Level limit detection in liquids, slurries, foam, interfaces and solids
 - Compact unit
 - Wide range of applications
 - No maintenance
 - Full-, demand-, empty detector
 - Extended rod version or rope version
 - High pressure and high temperature
 - High chemical resistance on probes
 - RF technology with active shield
 - Sensitivity: dielectric constant ≥ 1.5
 - Simple modification of probe possible on site
- Standard electronics with:
 - Universal power supply
 - Solid-state switch and Relay output
 - Digital electronics with:
 - Communication via Profibus PA
 - Integrated Local User Interface
 - Self diagnostics
 - Multiple approvals available
 - 2011/65/EU RoHS conform

Approvals	CE/ UKCA			
	ATEX/ UKEX/ INMETRO/ CCC	Zone 0	Intrinsically Safe	
		Zone 0/1	Flameproof	
		Zone 20/21	Dust Ignition Proof or Intrinsically Safe	
	FM/ CSA	General purp.		
		Cl. I Div. 1	Intrinsically Safe	
		Cl. I Div. 1	Explosionproof	
	TR-CU	Cl. II, III Div. 1	Dust Ignition Proof	
		Ordinary Locations		
		Zone 0	Intrinsically Safe	
		Zone 0/1	Flameproof	
	Lloyds	Zone 20/21	Dust Ignition Proof	
Categories ENV1, ENV2, ENV3 and ENV5				
WHG	Overfill protection			

	Electronic module Standard	Electronic module Digital
Supply voltage	12 .. 250 V AC/ DC (0 .. 60 Hz)	12 .. 30 V DC (24 V for IS version)
Signal output	Relais SPDT Solid-state switch (30 V DC/ AC peak, 82 mA)	Profibus PA Solid-state switch (30 V DC/ AC peak, 82 mA)
Signal output delay	Rise time or Fall time 1 .. 60 sec.	Rise time 0 .. 100 sec. Fall time 0 .. 100 sec.
Failsafe	High or Low	High or Low
User interface	Potentiometer, switches, 3 LED indicator	LCD local user interface or Profibus PA
Diagnostics	-	Over and Under Range Electronics temperature Function check Maintenance alarm Internal electronic self check

Housing	Material	Aluminium, powder-coated
	Ingress protection	Type 4/ NEMA 4/ IP68 ⁽¹⁾
	Temperature extended shaft	Option for RF 8100, standard for RF 8200: Material 1.4404 (SS316L)
	Ambient temperature	-40 .. 85°C (-40 .. 185°F) With Ex-Certificate ATEX, UKEX, INMETRO, CCC, TR-CU: -40 .. 80°C (-40 .. 176°F) with Flameproof or Dust Ignition Proof -40 .. 60°C (-40 .. 140°F) with Intrinsically safe

⁽¹⁾ For version with plug the type of protection can be lower (see pos.35).