ROCHESTER GAUGES, LLC

S287-03
Coolant Level Switch

FOZMULA
INNOVATION IN SENSORS
a Rochester Gauges Company

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The S287 is an active device designed to give an alarm signal if liquid falls below, or rises above, a preset level. It can be specified with a delay to eliminate false alarms due to turbulence and the flying lead enables customers to specify a suitable connector of their choice.
Containing a factory programmable microprocessor, the switch offers sink to ground or source voltage output.

The switch is designed to operate in both earthed metal and isolated plastic tanks. For high accuracy the S287 is ideally mounted horizontally at the point where an alarm or control signal is required.

Part	S287-03
Description	1/2" NPTF, PU 1 LIQ, SI 10 FA, SI AIR, DE3
Prod. Group	Coolant Level Switch
Technology	Capacitance
Liquid	Water based Coolant
Output Type	Sink (Open collector)
Connector	160mm harness + DT04-3P
Thread	1/2" NPTF

Performance

Output	Sink in Air
Alarm Delay	10 s (Factory Set)
Power Up	in Liquid
Switch Sense	Level Falling

Materials

Body	Brass
Probe	PTFE
Terminals	Brass, Nickel Plated
Seals	EDPM, FVMQ
Connector	30% Glass Filled Nylon
Flying leads cables	GXL type cable 18 AWG
Thread Seal	Vibra-Seal 516

Ratings

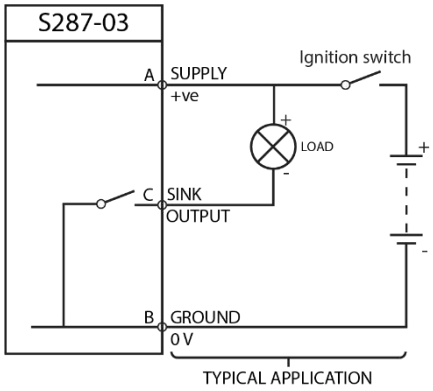
Sealing	IP67
Pressure	5 Bar (max)
Drop	1M to concrete
Vibration	15.3 Grms
Temperature	-40 to +125 C
EMC	ISO13766:2006

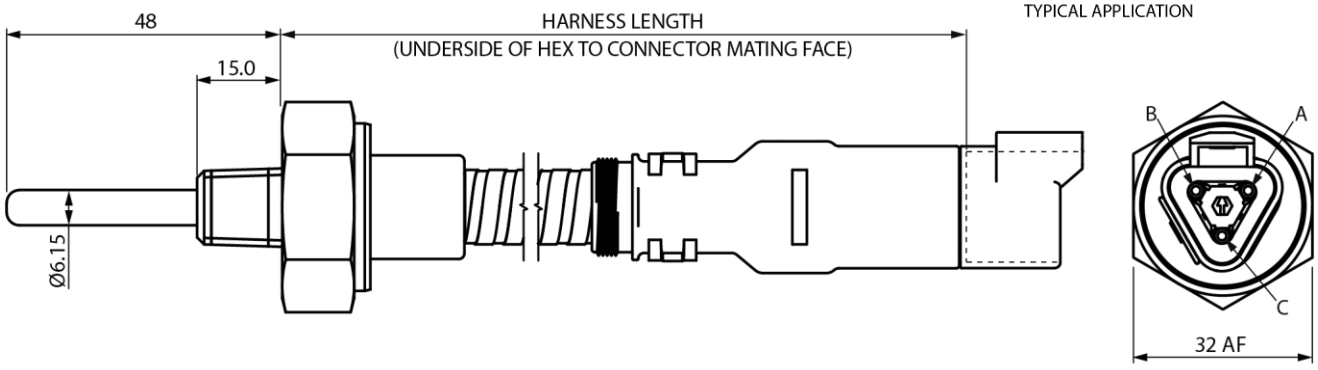
Electricals

Supply Voltage	9-36 VDC
Supply Current	7 mA + source output

Harness Information

Connector	DT04-3P
Output location	Pin C
+ve supply location	Pin A
-ve supply location	Pin B





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