

## S291-203 Coolant Level Switch

Document ref.: DDS\_S291-203

25-Jan-21

Rev. 1

The S291 is an active device designed to give an alarm signal if liquid falls below, or rises above, a preset level. Containing a factory programmable microprocessor, the switch provides a complementary voltage output on two pins.

The switch is designed to operate in both earthed metal and isolated plastic tanks. For high accuracy the S291 is ideally mounted horizontally at the point where an alarm or control signal is required.

<b>Part</b>	S291-203
<b>Description</b>	1/4" NPTF, PU 1 LIQ, S 0 FA, A=0.25 LIQ 4.35 AIR
<b>Prod. Group</b>	Coolant Level Switch
<b>Technology</b>	Capacitance
<b>Liquid</b>	Water based Coolant
<b>Output Type</b>	Voltage
<b>Connector</b>	M/P 150-4P
<b>Thread</b>	1/4" NPTF

### Performance

Output	Voltage
Alarm Delay	0 s (Factory Set)
Power Up	in Liquid (1s delay)
Switch Sense	Level Falling
High Voltage (A)	4.35 in Air
Low Voltage (D)	0.25V in Liq

### Materials

Body	Brass
Probe	PTFE
Terminals	Brass, Tin Plated
Seals	EDPM, FVMQ
Connector	30% Glass Filled Nylon
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	5 VDC
Supply Current	5 mA + source output

### Harness Information

Connector	M/P 150-4P
Output location High	Pin A
Output location Low	Pin D
+ve supply location	Pin C
Ground	Pin B

