TECHNICAL TIP BULLETIN

PRECISION THERMOSTAT | Gold Contact Selection Guide

This bulletin is to be used as a guideline for choosing gold-flashed contacts in hermetically sealed precision thermostat applications. Please consult with engineering for any details or further assistance.

Gold flashing is provided in cases where power and/or current is low. When thermostats are not cycling, oxidization can form on the contacts. In 1 A or higher applications, oxidation films are not an issue since the current load will continuously "clean" the contacts. In switches below 1 A, the current does not provide enough cleaning, and an insulative or non-conductive state occurs which in effect prevents a closed electrical state.

In lower limit applications, like the examples listed below, gold-flashing creates a surface that provides minimal oxidation.

WE-1 Crosspoints are solutions in applications for logic-level circuitry control or other low-current applications only.

In new applications outside of historical parameters, life testing may need to be performed prior to design choice.

GOLD FLASH		WE-1 GOLD (CROSS POINTS)	
Voltage	**Max Current**	**Voltage**	**Max Current**
12 Vdc	500 mA	-	-
24 Vdc	200 mA	50 Vdc	500 mA
120 Vac	126 mA	120 Vac	100 mA
240 Vac	75 mA	-	-

FOR MORE INFORMATION

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