

THERMAL APPLICATIONS NOTE

UTILIZING THE EVENT SWITCH

The event switch is a specialized relay control connection which exists on the back of all 29XX series modules, including the DSC 2920/2910/2010, TGA 2950/2050, TMA 2940, SDT 2960, and DEA 2970. In the case of DSC, this event switch was designed for controlling the ultraviolet/visible exposure on the sample during Differential Photocalorimetry (DPC) measurements by turning off and on the lamp source at specific times.

However, it can be used more generally to turn off/on an external alarm, light, or other device, or to activate an off-gas collection device (TGA). The event switch is a contact closure, relay type device. It operates in a “normally open” (NO) function that switches between pins 2 and 3 on the connector. Pin 2 is the common and pin 3 is the contact. The power and voltage ratings for this application are a maximum of 42V DC, 200mA and 3W.

This relay can be activated two ways from the Thermal Analyst Controller—under localized manual control (on the Module Parameters Screen for RMX-based systems or from the Control Menu for OS/2™-based systems) or under automatic method segment control (through creation of a method in the Method Editor).

Acknowledgments: This applications note was submitted by Roger Blaine, Manager of the Applications Laboratory (U.S.).

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