

Flare Stack Burn Out

Problem: We use 3 K-type T/Cs to monitor the burn-off flame of our emissions flare stack. However, when the wind blows, the flame leaning away from the stack gives a false out.

Solution: Change your strategy to rely on low readings from two T/Cs to indicate no flame in a 2-out-of-3 voting scheme. This ladder rung approach creates a “flame out circuit” ONLY in the event that two of the three alarms are tripped. The SPA² Programmable Alarm Trip’s time delay capability also helps prevent false trips.

Model Number Example

SPA2 / TPRG / 2PRG / U / -DPDT [DIN]

[Go to Limit Alarm Trips and Switches Selection Guide](#)

Limit Alarm Trips and Switches

