

# Technical Bulletin

## K2.01 Modification for Single Zone Operation

# TB 1012

Applies to Kentec Model numbers: K3500, K3500/F, K3501, K3501/F, K3502, K3502/F, K3503, K3503/F

The K2.01 control panel is designed to only operate the extinguishing release output upon activation of a fire in both Zone 1 and Zone 2.

In some cases, it is required that the K2.01 is to operate the extinguishing release upon activation of a single zone. Unlike the K4.01 panel, there is not a configuration switch to select "Single Zone Activation" and so a small modification is required to the panel.

This document describes the modification to achieve single zone activation.

### Panel Modification

The K2.01 panel has two detection zones. Each zone has a repeater output, normally used to indicate a fire activation on a remote repeater panel.

In common with the Kentec K3000 Series and K3700 Series panels, the repeater output is a normally open, voltage free relay contact, rated at 1Amp at 30Volts d.c.

This repeater relay contact is used to put the second zone of the K2.01 panel into a fire condition, thus achieving the requirements to operate the extinguishing output. To put the second zone to a fire condition, the relay is used to switch a 470 ohm, 1 watt resistor (Kentec part number B1490) across the zone 2 detection circuit. This is shown in figure 1, below;

The single detection zone is connected to the Zone 1 terminals.

#### NOTE:

For a Zone 1 fire activation, both Zone 1 and Zone 2 will be shown as being in fire.

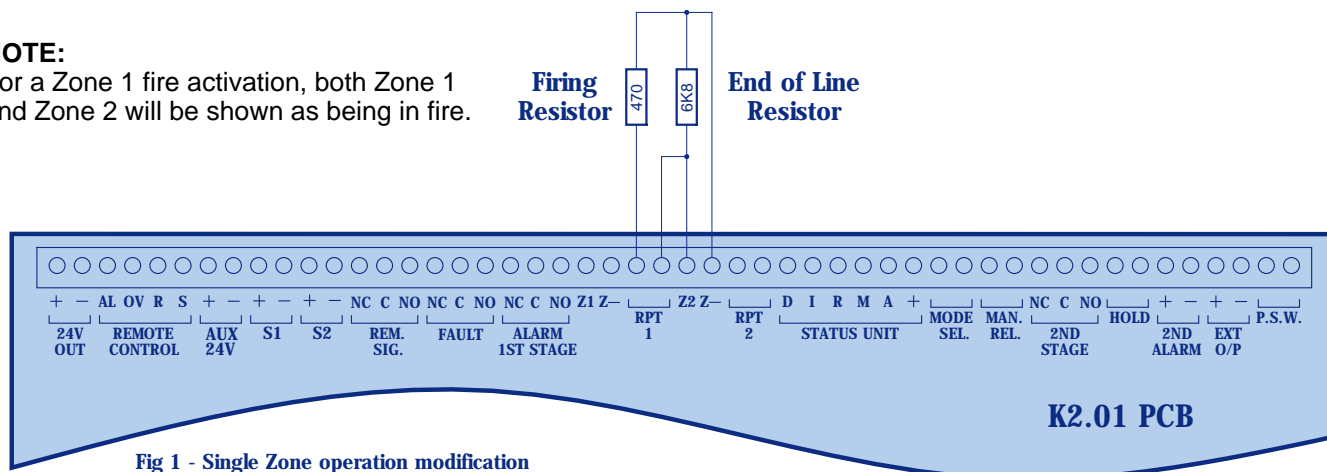


Fig 1 - Single Zone operation modification