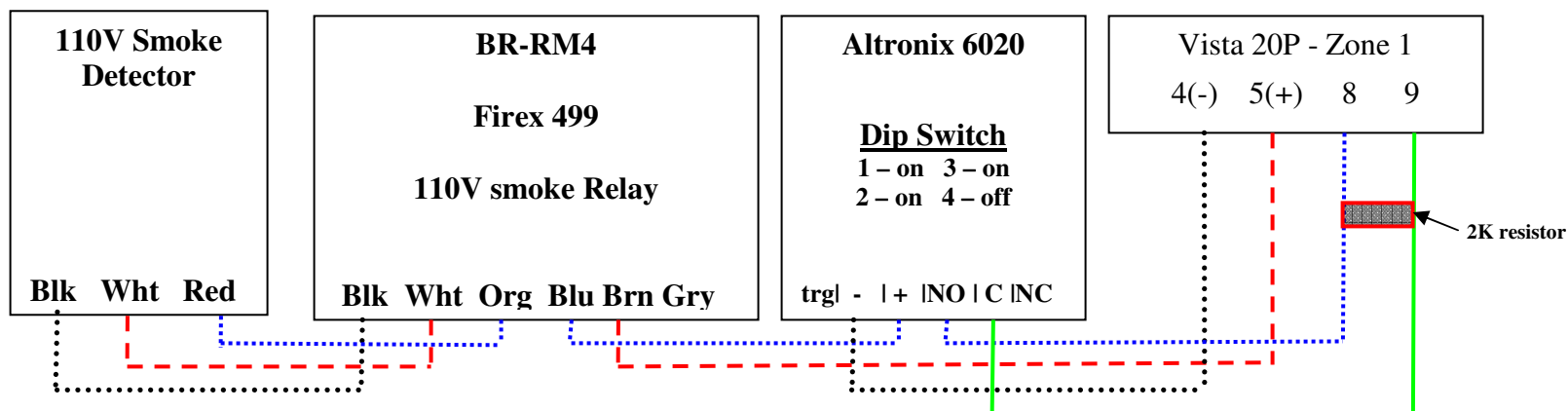


Wiring Method for House 3-wire smoke detectors to Alarm Control

1. BR-RM4 (Firex 499) and Altronix 6062 Timer Module



Note 1: This configuration allows to set the timer for the period of time (1 – 60 seconds) that the 110V smoke detector has to be tripped before it will activate the Alarm Control fire alarm. I recommend setting the timer for 10+ seconds. The reason for this is that sometimes the smoke detectors are not on dedicated 110V AC circuits and a surge on the line from an appliance (such as a vacuum cleaner) can cause a momentary activation of the smoke detector that will activate the BR-RM4 relay. The timer circuit will eliminate false alarms from such occurrences.

Note 2: BR-RM4 relay is a 110V AC relay. In the event of a house power outage, the house smoke detectors will not trigger the alarm control panel. For this reason I usually recommend putting a least one smoke detector that is wired directly to the alarm control panel (or a wireless smoke detector programmed directly to the alarm control panel)