

## 120V AC, 60Hz wire-in **RELAY**



### **SMART INTERCONNECT**

Works with all BRK  
"Smart Interconnect" Smoke  
and CO Alarms.



## Features

Designed to activate an auxiliary device when an alarm is initiated. The RM4 Relay is intended for use with BRK and First Alert Smoke and Carbon Monoxide Alarms including Models 9120A, 9120BA, 7010A, 7010BA, 100SA, CO5120BNA, SC9120A and SC9120BA. The relay contacts will activate whenever any interconnected alarm sounds. The relay contacts will automatically deactivate a few seconds after the alarm stops sounding. The RM4 may be wired next to an AC alarm or from a remote location. This relay must be installed in a junction box.

Interconnects smoke alarms, carbon monoxide alarms and heat alarms with:

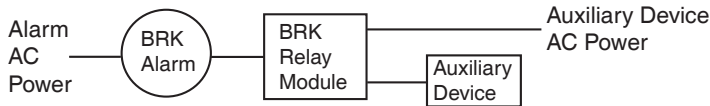
- Lights
- Bells
- Door Closers
- Sirens
- Exit Signals
- Escape Lights
- Exhaust Fans
- Other Auxiliary Devices

Meets ULC standards ULC S-531, CSA6.19 and ULC S-530 for accessories.  
Fits in most standard junction boxes.

# Cat. No. **RM4**

# 120V AC/DC, 60Hz Wire-in

This accessory relay is designed to activate auxiliary devices such as bells, lights and door closers. The RM4 Relay is intended for use with BRK Electronics and First Alert smoke and carbon monoxide alarms.



## INSTALLATION

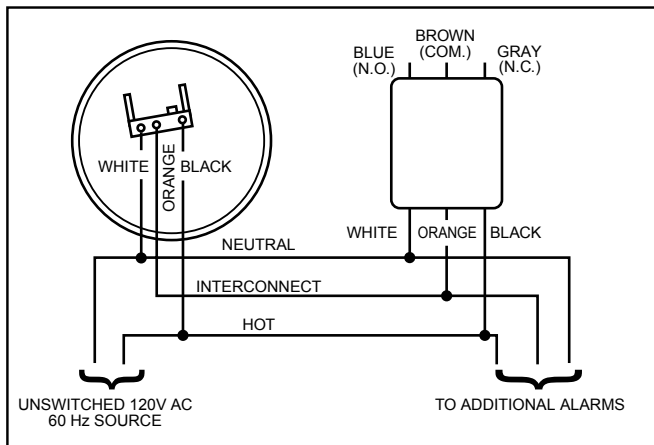
To install this relay to an alarm, connect the power wires as listed below. (If wiring the relay remote from the alarm, use a maximum of 1000 feet (300 meters) of #18AWG or larger wire rated at least 300V):

<b>Alarm</b>	<b>Relay</b>
BLACK WIRE (HOT)	BLACK WIRE
WHITE WIRE (NEUTRAL)	WHITE WIRE
ORANGE WIRE (INTERCONNECT)	ORANGE WIRE

Now connect the accessory to be activated by the relay to the relay's switch contact wires as listed below. (Use wiring appropriate to the auxiliary device being controlled).

NOTE: Since voltage is present on all relay contact wires at some time during operation, the installer must properly insulate any unused relay contact wire.

- BROWN WIRE: HOT CONTACT TO AUXILIARY DEVICE
- ORANGE WIRE: NORMALLY CLOSED CONTACT
- BLUE WIRE: NORMALLY OPEN CONTACT



### CONTACT RATINGS (MAXIMUM):

VOLTAGE	RESISTIVE	MOTOR
120V AC	15 AMP	1/3 H.P.
30V DC	15 AMP	

After installation, test the interaction of the auxiliary device with the alarm by pressing the alarm test button.

## TECHNICAL SPECIFICATION

Relay Dimensions	3.5" x 1.5"
Weight	2.4 oz.
Operating Voltage	120V AC 60 Hz
Operating Current	.02 amps
Temperature Range	40°F (4°C) to 100°F (38°C)
Humidity Range	10% to 90% relative humidity (RH)
Interconnections	Up to 18 units with Cat. Nos. 9120A, 9120BA, SA9120A, SA9120BA, 7010A, 7010BA, 100SA, CO5120B, SC9120A and SC9120BA Maximum of 12 smoke alarms.
Listing	Meets ULC S-531, CSA6.19 and ULCS-530 for accessories

## SHIPPING SPECIFICATION

Master Carton Dimensions	10.13"L x 4.63"W x 6.06"H
Master Pack	12
Weight	3 lbs.
Cube	.20ft <sup>3</sup>
UPC	175007
Pallet Information	
Cases per Layer	35
Number of Layers	6
Cases per pallet	210
Unitload Cube	50.69 ft <sup>3</sup>
Weight	695 lbs.

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