APPENDIX

Individual spec sheets of the additional components used in this system

24-HR BATTERY STANDBY REQUIRED FOR FIRE INSTALLATIONS. USE 12V, 17.2AH BATTERY FOR 600mA AUX POWER. SEE INSTRUCTIONS.

BATTERY CAPACITY FOR EMERGENCY BURGLARY STANDBY USE AT LEAST 4 HRS

CHARGING VOLTAGE 13.8VDC. MAXIMUM CHARGING CURRENT 650mA.

SEALED LEAD-ACID TYPE. BATTERY NORMALLY NEED NOT BE REPLACED FOR AT LEAST 3 YRS.

TO DETERMINE TOTAL STANDBY LOAD ON BATTERY, ADD 100mA TO TOTAL OF AUX. POWER OUTPUT AND REMOTE KEYPAD CURRENTS.

USE UL LISTED LIMITED ENERGY CABLE FOR ALL CONNECTIONS

CLASS 2 PLUG-IN TRANSFORMER
16.5VAC, 25VA
(e.g. ADEMCO No. 1321).
(USE No. 1321CN IN CANADA)

USE 4300 / 1321X10 TRANSFORMER INTERFACE IN PLACE OF 1321 OR 1321CN WHEN POWER LINE CARRIER DEVICES ARE BEING USED. (SEE INSTRUCTIONS FOR CONNECTIONS)

THIS EQUIPMENT SHOULD BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION'S STANDARD 72, CHAPTER 2 (NATIONAL FIRE PROTECTION ASSOCIATION, BATTERY-MARCH PARK, QUINCY,MA 02269).
PRINTED INFORMATION DESCRIBING PROPER INSTALLATION, OPERATION,TESTING, MAINTENANCE, EVACUATION PLANNING AND REPAIR SERVICE IS TO BE PROVIDED WITH THIS EQUIPMENT.

CONNECTION OF THE FIRE ALARM SIGNAL TO A FIRE ALARM HEADQUARTERS OR A CENTRAL STATION SHALL BE PERMITTED ONLY WITH THE PERMISSION OF THE LOCAL AUTHORITY HAVING JURISDICTION. THE BURGLAR ALARM SIGNAL SHALL NOT BE CONNECTED TO A POLICE EMERGENCY NUMBER.

3A **BATTERY FUSE** FOR REPLACEMENT, USE SAME VALUE (e.g. ADEMCO No. 90-12)

BATTERY 12V, 4AH BLACK RED FLYING LEADS FOR BATTERY CONNECTION

RED JUMPER CUT FOR BELL SUPERVISION. ALSO, CONNECT 2000 OHM RESISTOR DIRECTLY ACROSS SOUNDER.

8-PIN CONNECTOR USED FOR 4300/1321X10 TRANSFORMER CONNECTIONS AND FOR ON-BOARD TRIGGERS SEE INSTRUCTIONS.
1 2 3 4 5 6 7 8
OUTPUT 17 (TRIG. 1) +12 AUX GND OUTPUT 18 (TRIG. 2) SYNC COM DATA (USE SA4120XM-1 CABLE) TO TRANS.

TO TERM 4 BLK
TO TERM 5 RED
TO TERM 6 GRN
TO TERM 7 YEL

OPTIONAL FOR UP TO 40 ADDITIONAL ZONES (FROM EITHER OR BOTH GROUPS)
BLK RED GRN YEL

ADEMCO No. 4219 WIRED EXPANSION MODULE (8 ADD'L EOLR WIRED ZONES) -AND/OR- **ADEMCO No. 4229 WIRED EXPANSION/RELAY MODULE** (8 ADD'L EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS) -AND/OR- **ADEMCO No. 4204 RELAY MODULE** (4 OUTPUT RELAYS)

SET UNIT'S DIP SWITCH FOR DEVICE ADDRESSES 7 - 15 SEE INSTRUCTIONS.

AND/OR

ADEMCO 5881* Type RF RECEIVER WIRELESS ZONES
5881L: UP TO 8
5881M: UP TO 16
5881H: UP TO 56
*5882 IN CANADA

SET RECEIVER'S DIP SWITCH FOR DEVICE ADDRESS OF "0". SEE INSTRUCTIONS.

4-WIRE SMOKE DETECTOR CONNECTIONS
AUX PWR OUTPUT TERMINALS + 5 – 4
PROGRAM RELAY AS ZONE TYPE 54 (FIRE ZONE RESET)
RELAY N.C. N.O.
OR CONTACT OPENS MOMENTARILY UPON FIRE ALARM RESET
BLK RED
EOL POWER SUPERVISION RELAY MODULE A77-716B. USE N.O. CONTACT, WHICH CLOSES WHEN POWER IS APPLIED.
TO OUTPUT 17 PROGRAM OUTPUT 17 FOR "OUT NORM LOW" = YES IN ✱79 MENU MODE AND AS ZONE TYPE 54 IN ✱80 MENU MODE MAX. CURRENT = 100 mA (UP TO 16 DETECTORS PLUS EOL MODULE)
4-WIRE SMOKE OR COMBUSTION DETECTOR VIOLET 2000 OHMS EOLR
TO ZONE TERM. (+) (ZONES 2 - 8 ONLY)
TO ZONE TERM. (–)
HEAT DETECTOR

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

TO 110VAC UNSWITCHED OUTLET (24HR)

ALARM OUTPUT 10.5–13.8VDC, 2A MAX. (600mA MAX. FOR UL USAGE, INCLUDING AUX POWER) STEADY FOR BURGLARY/PANIC, TEMPORAL PULSE SOUNDING FOR FIRE. CAN USE ADEMCO No. 702 SIREN, OR 12V BELL). SEE INSTRUCTIONS.

FOR COMPLETE INFORMATION, SEE INSTRUCTIONS K5305-1V2

BLACK: KEYPAD GROUND (-) RETURN
AUX. POWER OUTPUT 10.5-13.8VDC 600mA MAX. (500mA MAX. FOR UL INSTALLATIONS)
ALL OUTPUTS ARE POWER LIMITED.
RED: KEYPAD PWR (+)
GREEN: DATA IN FROM KEYPAD
YELLOW: KEYPAD DATA OUT

NOTE: KEYPAD (S) CURRENT (IN BOTH PARTITIONS) AND ALL OTHER DEVICES DRAWING POWER FROM TERMS 4 & 5 MUST BE INCLUDED IN AUX CURRENT DRAIN CALCULATIONS.

BLK RED GRN YEL
REMOTE KEYPADS AND OTHER ADDRESSABLE DEVICES (e.g. 5800TM, 4285/4286, LRR, 4219, 4229, 4204, 5881)

REMOTE KEYPADS CAN USE 6150 OR 6160 KEYPADS. LOCAL PROGRAMMING MUST BE DONE WITH A 6139/6160, BUT NEED NOT REMAIN IN THE SYSTEM (SET TO ADDRESS 16).

HI LO LO HI HI LO LO HI HI LO LO HI HI LO LO HI
ZONE 1 **ZONE 2** **ZONE 3** **ZONE 4** **ZONE 5** **ZONE 6** **ZONE 7** **ZONE 8**
2000 OHMS EOLR

CAN BE USED FOR 2-WIRE SMOKE DETECTORS

VISTA-20P/PS ONLY

12 13 14
2k TAMPER CONTACTS 2k
2k TAMPER CONTACTS 2k
2k 2k
ZONE 3 ZONE 4
TYPICAL WIRING FOR DOUBLE BALANCED ZONE (VISTA-20P/PS ONLY)

10 11
ZONE 2 3k ZONE 10 6.2k
TYPICAL WIRING FOR ZONE DOUBLING (VISTA-20P/PS ONLY)

ZONE PAIRS
2 / 10
3 / 11
4 / 12
5 / 13
6 / 14
7 / 15
8 / 16

- **MAXIMUM LOOP RESISTANCE:** (EACH ZONE) 300 OHMS (PLUS EOLR)
- **RESPONSE, ZONES 1-8:** 10, 350, OR 700 MSEC (PROGRAMMABLE)
- MAXIMUM NUMBER OF 2-WIRE SMOKE DETECTORS ON ZONE 1 IS 16; DETECTORS MUST HAVE COMPATIBILITY IDENTIFIER AS "A".

POWER SHUTDOWN NOTE: SYSTEM SHUTS DOWN SENSOR DETECTION PROCESSING IF CONTROL'S VOLTAGE DROPS BELOW 9.6V.

ALL DEVICES AND ACCESSORIES USED IN A CANADIAN INSTALLATION MUST BE LISTED FOR USE IN CANADA

TIP (BROWN) RING (GRAY) HANDSET
TIP (GREEN) RING (RED) INCOMING PHONE LINE
TELEPHONE WIRING (VIA RJ31X* JACK AND DIRECT CONNECT CORD) *CA38A IN CANADA

EARTH GROUND SEE INSTRUCTIONS FOR PROPER GROUNDING

DOC LOAD NO.: 3

FOR CONNECTION OF OPTIONAL 4285 OR 4286 VIP MODULES TO PHONE TERMINALS, SEE INSTRUCTIONS.

WARNING: TO PREVENT RISK OF SHOCK, DISCONNECT TELEPHONE LINE AT TELCO JACK BEFORE SERVICING THIS UNIT.

COMPLIES WITH FCC RULES, PART 68.
FCC REGISTRATION NO. 5GBUSA-44003-AL-E
RINGER EQUIVALENCE: 0.1B.

THIS DEVICE COMPLIES WITH PART 15 OF FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

WEEKLY TESTING IS REQUIRED TO ENSURE PROPER OPERATION OF THIS SYSTEM. IN ADDITION, THIS SYSTEM MUST BE CHECKED BY A QUALIFIED TECHNICIAN AT LEAST ONCE EVERY THREE (3) YEARS.

VISTA-20P/PS SERIES, VISTA-15P SERIES
SUMMARY OF CONNECTIONS

V20PPS_V15PPS-SOC-V2

Honeywell

4219 Wired Zone Expander Module – Installation Instructions

GENERAL INFORMATION

The 4219 expander module adds up to eight normally closed or eight end-of-line resistor supervised zones to compatible control/communicators via the control's keypad wiring.

The module may be mounted within the control's cabinet (if room permits), or remotely. If mounted remotely, there are provisions to tamper protect the unit. Communication to the module is supervised so that it cannot be disconnected from the keypad wiring without detection by the control. If the wiring is cut, a tamper alarm or signal will result, to indicate that this device (and possibly other similarly connected devices) has become inoperative.

IMPORTANT: Some carbon monoxide detectors may not be compatible with the Honeywell 4219 hardwire zone expanders. When using carbon monoxide detectors in systems that support the 4219 zone expanders, install the detectors only on the basic hardwire zones of the system control panel, and NOT on the zone expanders.

INSTALLATION

1. Disconnect power before proceeding.
2. Mount the 4219 before making any wire connections.

When the module is mounted remotely, holes on the back of the module's housing permit it to be mounted horizontally or vertically. Wires can exit from the side or the breakout on the back of its housing. For tamper protection, attach the tamper magnet (provided) (Figure 1) to the module inside cover. Place DIP switch position #8 in the OFF position. Affix the connections label that accompanies the module to the inside of the module's cover. When the installation is complete, put the modules cover on. The magnet attached to the cover, positioned near the reed switch, will cause a tamper signal to be sent to the control if the cover is removed.

When the module is to be mounted inside the control's cabinet, mount it horizontally to the raised tabs at the back of the cabinet. Insert self-tapping screws (provided) in two adjacent raised tabs at the back of the cabinet. Leave the heads projecting 1/8". Hang the module on the screw heads via two slotted holes on the back of the module's housing. When the module is installed in the control's cabinet, it need not be tamper protected.

NOTE: For EN50131-3 compliance a tie-wrap must be secured around the case of a remotely mounted 4219.

Apply tie-wrap around the case to the right of the large zone wire opening (4-inch case width). This is in opposition of the tamper switch and magnet.

Affix the connections label that accompanies the module to the inside of the control's cover.

See the control's installation and setup guide for additional information.

CONNECTIONS AND SETTINGS

Zone Connections

Make protection zone connections to the module's 12-position terminal block TB1.

Set DIP switch 7 for the desired zone operation (NC or EOLR):

OFF = End of line resistor operation. Each zone that is used must have **a 2K-ohm end-of-line resistor** connected across the end of its loop, as shown in Figure 2.

UL: Set to OFF (EOLR)

ON = Normally closed operation

The method of programming each zone for the type of alarm and reporting code to the central monitoring station varies with the control to which the module is connected. Refer to the Installation and Setup Guide for that control unit.

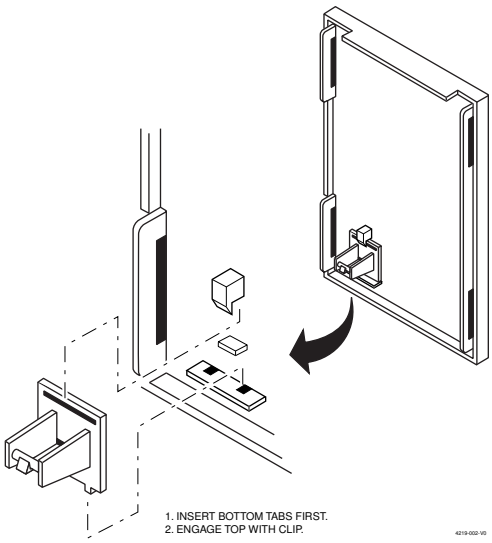


Figure 1. Tamper Magnet Installation

Module Address

Set the module address using DIP switches 2-6.

Select one of 31 addresses, as shown in Figure 3, so the control can identify the module and communicate with it properly. the address to be set is determined by the particular control to be used, and the control's installation instructions must be consulted.

Normal/Fast Response Time for Zone A

Use DIP switch 1 to select normal or fast response time for zone A:

OFF = fast response time of 10ms to an open circuit

ON = normal response time of 300ms. All other module protection zones have a nominal response time of 300ms.

Connection to the Control Panel

Connect the module to the control panel's keypad (ECP) terminals via4-terminal block TB2 or the 4-pin plug (wire color connections are the same).

SPECIFICATIONS

Physical	6-7/16"W x 4-1/4"H x 1-1/4" D (163mm x 108mm x 32mm)
Electrical	
Input Voltage:	12VDC (from control's remote keypad connection points)
Current:	30mA

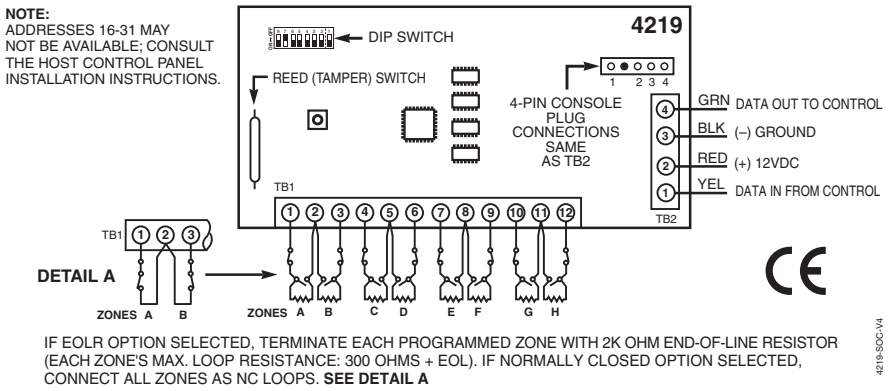
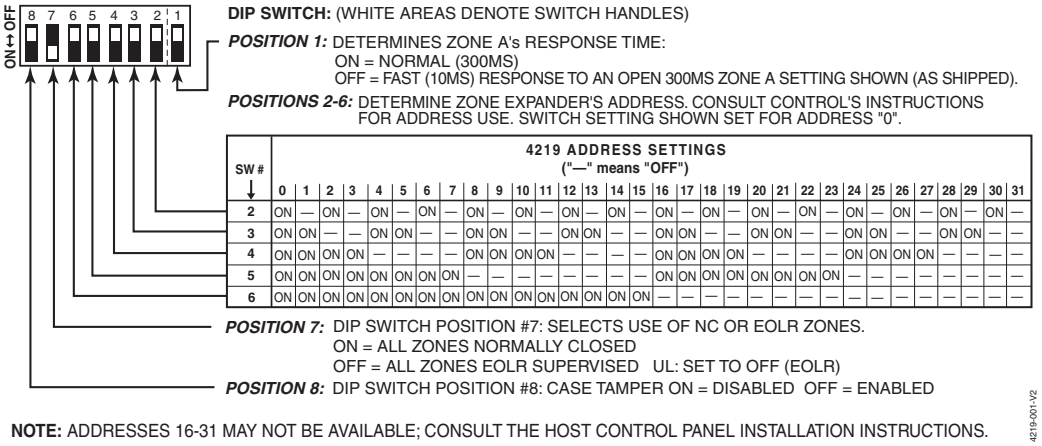


Figure 2. Summary of Connections

EOLR value is 2K ohms.

UL For UL, use 14-22AWG wire, and no more than one wire may be connected per terminal. Use UL Listed EOL resistors.



NOTE: ADDRESSES 16-31 MAY NOT BE AVAILABLE; CONSULT THE HOST CONTROL PANEL INSTALLATION INSTRUCTIONS.

Figure 3. DIP Switch Settings

SEE THE CONTROL PANEL'S INSTALLATION AND SETUP GUIDE FOR COMPLETE INFORMATION REGARDING THE LIMITATIONS OF THE ENTIRE SECURITY SYSTEM.

Federal Communications Commission (FCC) Part 15

The user shall not make any changes or modifications to the equipment unless authorized by the Installation Instructions or User's Manual. Unauthorized changes or modifications could void the user's authority to operate the equipment.

FCC CLASS B STATEMENT:

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information:
This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- If using an indoor antenna, have a quality outdoor antenna installed.
- Reorient the receiving antenna until interference is reduced or eliminated.
- Move the radio or television receiver away from the receiver/control.
- Move the antenna leads away from any wire runs to the receiver/control.
- Plug the receiver/control into a different outlet so that it and the radio or television receiver are on different branch circuits.
- Consult the dealer or an experienced radio/TV technician for help.

FCC/IC STATEMENT

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This device complies with Part 15 of the FCC rules and RSS 210 of Industry Canada. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.
Cet appareil est conforme à la partie 15 des règles de la FCC & de RSS 210 des Industries Canada. Son fonctionnement est soumis aux conditions suivantes: (1) Cet appareil ne doit pas causer d' interférences nuisibles. (2) Cet appareil doit accepter toute interference reçue y compris les interférences causant une réception indésirable.

N8924V4 3/14 Rev. B

For the latest warranty information, please go to:
http://www.security.honeywell.com/hsc/resources/wa

Honeywell
2 Corporate Center Drive, Suite 100
P.O. Box 9040, Melville, NY 11747

First Alert®

USER'S MANUAL
RM4 ACCESSORY RELAY
120V AC, 60 Hz, .02 AMP

Works with all First Alert® and BRK® *"Smart Interconnect"* CO Alarms

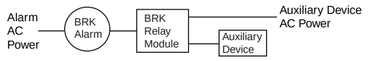
Interconnects smoke alarms, carbon monoxide alarms, and heat alarms with:

- Lights
- Exit Signals
- Exhaust Fans
- Sirens
- Escape Lights
- Other Auxiliary Devices

M08-0124-001 **J2** 03/07 Printed in Mexico

General Description

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® and First Alert® Smoke, Heat, and Carbon Monoxide Alarms, including Models 4120, 4120B, 4120SB, SA4120, SA4121B, SA4919B, CO5120BN, CO5120PDBN, SC6120B, SC9120B, HD6135F, HD6135FB, 7010. 7010B, 8120BL, 9120, 9120B, 100S; and Canadian Models 9120A, 9120BA, 100SA, 4919A, CO5120BNA, SC9120BA.



The relay contacts will activate whenever any interconnected Alarm sounds. The relay contacts will automatically deactivate a few seconds after the alarms stop sounding. This relay must be installed in a junction box.

⚠WARNING!

- **Read and follow all instructions supplied with each Alarm and the RM4 Relay before installing and using the relay. Do not attempt to connect any auxiliary devices without using the RM4 Relay. Use the RM4 Relay only with compatible BRK® and First Alert® Alarms.**
- **The RM4 Relay will not operate auxiliary devices without 120V AC power. The Alarms provide the interconnect signal to trigger the RM4 Relay – they do not supply any power to drive the auxiliary device.**

  AC Alarms and AC Alarms with battery backup can be interconnected. Under 120 V AC power all units will respond if at least one Alarm sounds. When AC power is interrupted, only the interconnected Alarms with battery backup will be capable of initiating an audible Alarm. Alarms with AC power only will not operate.
- **NFPA guidelines allow a maximum of 18 compatible First Alert® and BRK® Alarms plus 6 RM4 Relays to be interconnected. No more than 12 of the 18 devices shall be Smoke Alarms.**
- **The RM4 Relay should not be used to connect groups of alarms with a fire alarm control panel or to interconnect chains of alarms to each other since there will be no way of knowing which detector caused the alarm.**
- **Residential Alarms reset automatically. If alarm levels of smoke or heat subside, the operation of the audible alarm signal and the auxiliary device connected to the RM4 will automatically cease.**
- **The RM4 Relay should only be installed where conditions normally remain between 40° F (4° C) to 100° F (38° C) and 10% to 90% relative humidity.**
- **Alarm and relay installation must conform to the electrical codes in your area and Article 760 of the U.S. National Electrical Code. Wiring should be performed only by a licensed electrician. This relay should be used only in a covered junction box with sufficient volume for proper installation. The circuit used to power the alarm and relay must be a 24-hour 120V AC pure sine wave, 60Hz circuit that is not controlled by a switch or a dimmer. Canadian Alarm and relay installation must conform with codes in your area and the Canadian Electrical Code.**

⚠DANGER!

ELECTRICAL SHOCK HAZARD: TURN OFF POWER AT THE FUSE BOX OR CIRCUIT BREAKER TO THE AREA WHERE YOU WILL BE WORKING.

Installation

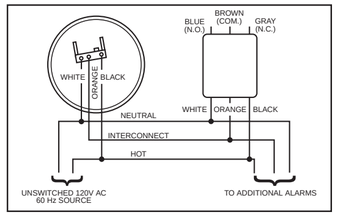
To install this relay to an alarm, connect the power wires as listed below. (If wiring the relay remote from the alarm, use a maximum of 1000 feet [300 meters] of #18AWG or larger wire rated at least 300V.)

ALARM		RELAY
BLACK WIRE	(HOT)	BLACK WIRE
WHITE WIRE	(NEUTRAL)	WHITE WIRE
ORANGE WIRE	(INTERCONNECT)	ORANGE WIRE

Installation, continued

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
GRAY 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.

Limited Warranty

BRK Brands, Inc., ("BRK") the maker of BRK® brand products and First Alert® brand products, warrants that for a period of five years from the date of purchase, this product will be free from defects in material and workmanship. BRK, at its option, will repair or replace this product or any component of the product found to be defective during the warranty period. Replacement will be made with a new or remanufactured product or component. If the product is no longer available, replacement may be made with a similar product of equal or greater value. This is your exclusive warranty.

This warranty is valid for the original retail purchaser from the date of initial retail purchase and is not transferable. Keep the original sales receipt. Proof of purchase is required to obtain warranty performance. BRK dealers, service centers, or retail stores selling BRK products do not have the right to alter, modify or any way change the terms and conditions of this warranty.

This warranty does not cover normal wear of parts or damage resulting from any of the following: negligent use or misuse of the product, use on improper voltage or current, use contrary to the operating instructions, disassembly, repair or alteration by anyone other than BRK or an authorized service center. Further, the warranty does not cover Acts of God, such as fire, flood, hurricanes and tornadoes.

BRK shall not be liable for any incidental or consequential damages caused by the breach of any express or implied warranty. Except to the extent prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose is limited in duration to the duration of the above warranty. Some states, provinces or jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or province to province.

How to Obtain Warranty Service

Service: If service is required, do not return the product to your retailer. In order to obtain warranty service, contact the Consumer Affairs Division at 1-800-323-9005, 7:30 AM - 5:00 PM Central Standard Time, Monday through Friday. To assist us in serving you, please have the model number and date of purchase available when calling.

For Warranty Service return to:
BRK Brands, Inc., 25 Spur Drive, El Paso, TX 79906

First Alert®

MANUAL DEL USUARIO
RELÉ AUXILIAR RM4
120 V CA, 60 Hz, 0,02 A

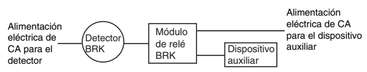
Funciona con todos los detectores de CO *'Smart Interconnect'* de First Alert® y BRK®

Interconecta detectores de humo, detectores de monóxido de carbono y detectores de calor, con:

- Luces
- Sirenas
- Señales de salida
- Luces de escape
- Extractores de aire
- Otros dispositivos auxiliares

Descripción General

Este relé auxiliar está diseñado para activar dispositivos auxiliares como campanas, luces y cierrapuertas. El Relé RM4 está concebido para funcionar con los Detectores de Humo, Calor y Monóxido de Carbono BRK® y First Alert® modelos 4120, 4120B, 4120SB, SA4120, SA4121B, SA4919B, CO5120BN, CO5120PDBN, SC6120B, SC9120B, HD6135F, HD6135FB, 7010. 7010B, 8120BL, 9120, 9120B y 100S, y modelos Canadienses 9120A, 9120BA, 100SA, 4919A, CO5120BNA y C9120BA.



Los contactos del relé se activarán toda vez que suene cualquiera de las alarmas interconectadas. Los contactos del relé se desactivarán automáticamente unos pocos segundos después de que las alarmas dejen de sonar. Este relé debe instalarse en una caja de conexiones.

⚠¡ADVERTENCIA!

- **Antes de instalar y utilizar el relé, lea y observe todas las instrucciones suministradas con cada detector y con el relé RM4. No intente conectar ningún dispositivo auxiliar sin utilizar el Relé RM4. Utilice el Relé RM4 únicamente con detectores compatibles BRK® y First Alert®.**
- **El Relé RM4 no operará dispositivos auxiliares sin alimentación eléctrica de 120 V CA. Los detectores proporcionan la señal de interconexión para disparar al Relé RM4, pero no suministran ninguna alimentación eléctrica para accionar el dispositivo auxiliar.**

  Pueden interconectarse detectores de CA, y detectores de CA con respaldo de batería. Habiendo alimentación eléctrica de 120 V CA, todas las unidades responderán si suena al menos una alarma. Cuando se interrumpe la alimentación eléctrica de CA, sólo los detectores interconectados que tienen respaldo de batería tendrán la posibilidad de iniciar una alarma audible. Las alarmas con alimentación eléctrica de CA únicamente, no funcionarán.
- **Las pautas de la Asociación Nacional de Protección contra Incendios (NFPA) de los E. U. de A. permiten interconectar, como máximo, 18 detectores compatibles First Alert® y BRK® más 6 Relés RM4. De los 18 dispositivos, no más de 12 serán detectores de humo.**
- **El Relé RM4 no debe utilizarse para conectar grupos de detectores con un panel de control de alarmas de incendio, o para interconectar cadenas de detectores entre sí, debido a que no habrá modo de saber cuál es el detector que originó la alarma.**
- **Las Alarmas Residenciales se reinicializan automáticamente. Si los niveles de alarma de humo o de calor desaparecen y se vuelve a la normalidad, la operación de la señal de alarma audible y la del dispositivo auxiliar conectado al RM4, cesarán automáticamente.**
- **El Relé RM4 debe instalarse únicamente en lugares en los que las condiciones ambientales normales sean entre 4° C (40° F) y 38° C (100° F) de temperatura, y entre 10 % y 90 % de humedad relativa.**
- **La instalación de los detectores y relés debe ajustarse a los códigos eléctricos de su área y al Artículo 760 del Código Eléctrico Nacional de los E. U. de A. El conexionado debe estar exclusivamente a cargo de un electricista autorizado. Este relé debe utilizarse únicamente dentro de una caja de conexiones cubierta, que tenga un volumen suficiente para su correcta instalación. El circuito utilizado para energizar el detector y el relé debe ser un circuito de onda senoidal pura de 120 V CA, 60 Hz, activo durante las 24 horas del día, que no esté controlado por un interruptor ni por un atenuador de luz (dimmer). En Canadá, la instalación de los detectores y los relés debe ajustarse a los códigos de su área y al Código Eléctrico Canadiense.**

⚠¡PELIGRO!

RIESGO DE CHOQUE ELÉCTRICO: DESCONECTE, EN LA CAJA DE FUSIBLES O INTERRUPTOR AUTOMÁTICO, LA ALIMENTACIÓN ELÉCTRICA DEL ÁREA EN LA QUE USTED ESTARÁ TRABAJANDO.

Instalación

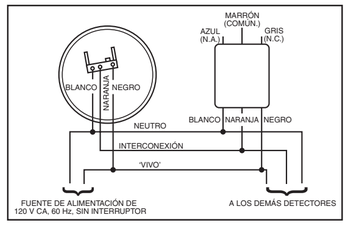
Para instalar este relé en un detector, conecte los cables de alimentación como se indica a continuación. (Si está haciendo una conexión remota del relé al detector, utilice no más de 300 m [1000 pies] de cable calibre 18 AWG o mayor, con una tensión de aislamiento de 300 V como mínimo).

DETECTOR		RELÉ
CABLE NEGRO	('VIVO')	CABLE NEGRO
CABLE BLANCO	(NEUTRO)	CABLE BLANCO
CABLE NARANJA	(INTERCONEXIÓN)	CABLE NARANJA

Instalación, continuación

Conecte el accesorio que va a ser activado por el relé, a los cables de los contactos de conmutación del relé, como se indica a continuación. (Utilice un cableado apropiado para el dispositivo auxiliar que se va a controlar). NOTA: Dado que en todos los cables de los contactos del relé hay tensión presente en algún momento de la operación, el instalador debe aislar debidamente todo cable de contacto de relé que no se utilice.

CABLE MARRÓN: CONTACTO 'VIVO' AL DISPOSITIVO AUXILIAR
CABLE GRIS: CONTACTO NORMALMENTE CERRADO
CABLE AZUL: CONTACTO NORMALMENTE ABIERTO



ESPECIFICACIONES DE LOS CONTACTOS (MÁXIMAS):

TENSIÓN	CONSUMO, CARGA RESISTIVA	POTENCIA, MOTOR
120 V CA	15 A	1/3 CV (HP)
30 V CC	15 A	

Después de la instalación, compruebe la interacción del dispositivo auxiliar con el detector, pulsando el botón de prueba del detector.

Garantía Limitada

BRK Brands, Inc. ("BRK"), el fabricante de los productos marca BRK® y First Alert®, garantiza que por un período de 5 años a partir de la fecha de compra, este producto estará libre de defectos de material y de fabricación. BRK, a su elección, reparará o reemplazará este producto o cualquiera de sus componentes que esten defectuosos, durante el periodo de vigencia de su garantía. El reemplazo sera hecho con un producto o componente nuevo ó reparado. Si el producto ya no estuviera disponible, el reemplazo sera hecho con un producto similar de igual o mayor valor. Esta es su garantia exclusiva.

Esta garantía es válida para el comprador original, a partir de la fecha de compra y no es transferible. Conserve el recibo de compra original. Se requiere comprobante de compra para hacer válida su garantía. Representantes de BRK, centros de servicio o tiendas al menudeo que vendan productos de BRK no estan autorizados a alterar, modificar o cambiar en modo alguno los términos y condiciones de esta garantía.

Esta garantía no cubre el desgaste normal de las partes o el daño como resultado de lo siguiente: uso negligente o mal uso de el producto, uso con voltaje o corriente incorrecto, uso contrario a las instrucciones de operación, desensamble, reparación o alteraciones hechas por personal o centro de servicio no autorizado por BRK. Ademas, esta garantía no cubre actos impredecibles como incendio, inundaciones, huracanes y tornados o las baterías que estan incluidas en la unidad.

BRK no sera responsable por daños accidentales o a consecuencia de el incumplimiento de cualquier garantía expresa o implícita. Excepto hasta donde lo prohiba la ley vigente, toda garantía implícita de comercialidad o idoneidad para fines particulares esta limitada en duración al período de la garantía actual. Algunos estados, provincias o jurisdicciones no permiten la exclusión o limitación de daños accidentales o consecuenciales, ni un límite en la duración de una garantía implícita, por lo que las limitaciones o exclusiones anteriores pueden no ser pertinentes para su caso particular. Esta garantía le otorga derechos legales específicos, y puede que tenga otros derechos que varien de una jurisdicción a otra.

Cómo obtener el servicio de garantía

Servicio: Si requiere de servicio, no regrese el producto a la tienda en donde lo compró. Para obtener el servicio de garantía, comuniquese con el departamento de Atención al Cliente (Consumer Affairs Division) al teléfono 1-800-323-9005, de 7:30 AM a 5:00 PM, tiempo del centro (Estados Unidos), de Lunes a Viernes. Para poder brindarle un mejor servicio, por favor tenga a la mano el numero de modelo y fecha de compra al momento de llamar.

Para servicio de garantía, devolver a:
BRK Brands, Inc., 25 Spur Drive, El Paso, TX 79906

First Alert®

GUIDE DE L'UTILISATEUR
RELAIS RM4 POUR ACCESSOIRES
120V CA, 60 Hz, .02 AMP

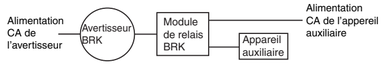
Fonctionne avec tous les avertisseurs de CO First Alert® et BRK® dotés du système « d'interconnexion intelligente »

Effectue l'interconnexion des avertisseurs de fumée, des avertisseurs de monoxyde de carbone et des avertisseurs de chaleur avec :

- Les lampes d'éclairage
- Les alarmes
- Les enseignes de sortie
- L'éclairage de secours
- Les ventilateurs d'évacuation
- D'autres appareils auxiliaires

Description générale

Ce relais pour accessoires est conçu pour activer les appareils auxiliaires tels que les sonneries, les lampes et les ferme-porte. Le relais RM4 est conçu pour être utilisé avec les avertisseurs de fumée, de chaleur et de monoxyde de carbone BRK® et First Alert®, comprenant les modèles 4120, 4120B, 4120SB, SA4120, SA4121B, SA4919B, CO5120BN, CO5120PDBN, SC6120B, SC9120B, HD6135F, HD6135FB, 7010. 7010B, 8120BL, 9120, 9120B, 100S; et les modèles Canadiens 9120A, 9120BA, 100SA, 4919A, CO5120BNA, C9120BA.



Les contacts du relais s'activeront chaque fois que l'alarme d'un avertisseur interconnecté retentira. Les contacts du relais se désactiveront automatiquement quelques secondes après l'arrêt de l'alarme. Ce relais doit être installé dans une boîte de jonction.

⚠AVERTISSEMENT !

- **Lire les instructions fournies avec chaque avertisseur et le relais RM4 et s'y conformer avant d'installer et d'utiliser le relais. Ne pas tenter de connecter tout appareil auxiliaire sans utiliser le relais RM4. Utiliser le relais RM4 uniquement avec les avertisseurs BRK® et First Alert® compatibles.**
- **Le relais RM4 ne fera pas fonctionner les appareils auxiliaires sans alimentation CA de 120 V. Les avertisseurs fournissent le signal d'interconnexion pour activer le relais RM4 - ils ne fournissent aucune alimentation pour faire fonctionner l'appareil auxiliaire.**

  Des avertisseurs alimentés par CA et des avertisseurs alimentés par CA également dotés d'une pile de secours peuvent être interconnectés. Avec une alimentation de 120 V CA, tous les appareils réagiront si au moins un avertisseur déclenche une alarme. En cas d'interruption de l'alimentation CA, seuls les avertisseurs interconnectés dotés d'une pile de secours pourront émettre une alarme audible. Les avertisseurs uniquement alimentés par CA ne fonctionneront pas.
- **Les normes de la NFPA autorisent l'interconnexion d'un maximum de 18 avertisseurs compatibles First Alert® et BRK® plus 6 relais RM4. Les 18 appareils ne doivent pas compter plus de 12 avertisseurs de fumée.**
- **Le relais RM4 ne doit pas servir à connecter un groupe d'avertisseurs à un panneau de commande d'alarme-incendie ou à interconnecter des chaînes d'avertisseurs entre elles puisqu'il n'y aura aucune manière de déterminer quel avertisseur aura déclenché une alarme.**
- **Le réarmement des avertisseurs résidentiels se fait automatiquement. Si les niveaux de fumée ou de chaleur susceptibles de déclencher l'alarme s'estompent, le signal d'alarme audible et l'appareil auxiliaire connecté au relais RM4 cesseront de fonctionner automatiquement.**
- **Le relais RM4 ne doit être installé que sous des conditions normales de température se situant entre 4° C (40° F) à 38° C (100° F) et d'humidité relative variant entre 10 % et 90 %.**
- **L'installation des avertisseurs et des relais doit être conforme aux codes électriques de votre région et à l'article 760 du U.S. National Electrical Code (Code national d'électricité des États-Unis). Les travaux de câblage ne doivent être effectués que par un électricien certifié. Ce relais ne doit être utilisé qu'à l'intérieur d'une boîte de jonction au volume suffisant pour une installation adéquate. Le circuit utilisé pour alimenter l'avertisseur et le relais doit être un circuit 24 heures de 120 V CA de tension sinusoïdale, 60 Hz non commandé par un interrupteur ou un gradateur. L'installation d'un avertisseur et d'un relais au Canada doit être conforme aux codes s'appliquant à votre région et au Code de l'électricité Canadien.**

⚠DANGER !

DANGER D'ÉLECTROCUTION: COUPER L'ALIMENTATION À LA BOÎTE DE FUSIBLES OU DE DISJONCTEURS DANS LA SECTION OÙ DES TRAVAUX DOIVENT ÊTRE EXÉCUTÉS.

Montage

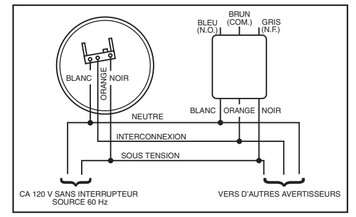
Pour monter ce relais sur l'avertisseur, connecter les fils d'alimentation tel que décrit ci-dessous. (Pour câbler le relais loin de l'avertisseur, utiliser un maximum de 1000 pieds de fil #18 AWG ou plus gros d'une puissance nominale d'au moins 300 V.

AVERTISSEUR		RELAIS
FIL NOIR	(SOUS TENSION)	FIL NOIR
FIL BLANC	(NEUTRE)	FIL BLANC
FIL ORANGE	(D'INTERCONNEXION)	FIL ORANGE

Montage, suite

Connecter maintenant l'accessoire devant être activé par le relais aux fils de contact de l'interrupteur du relais tel qu'indiqué ci-dessous. (Utiliser le câblage approprié pour l'appareil auxiliaire à commander.) REMARQUE : Étant donné que la tension est présente sur tous les fils de contact du relais à un moment ou à un autre pendant l'installation, l'installateur doit soigneusement isoler tous les fils de contact du relais qui ne servent pas.

FIL BRUN : CONTACT SOUS TENSION VERS L'APPAREIL AUXILIAIRE
FIL GRIS : CONTACT NORMALEMENT FERMÉ
FIL BLEU : CONTACT NORMALEMENT OUVERT



TENSIONS NOMINALES DU CONTACT (MAXIMALES) :

À LA TENSION	RÉSISTANT	MOTEUR
120 V CA	15 AMP	1/3 H.P.
30 V CC	15 AMP	

Après installation, faire l'essai de l'interaction de l'appareil auxiliaire avec l'avertisseur en enfonçant le bouton d'essai de l'avertisseur.

Garantie Limitée

BRK Brands, Inc. ("BRK"), fabricant des produits de la marque BRK® et First Alert®, garantit, pendant une période de cinq ans à compter de la date d'achat, ce produit contre les défauts de pièces et de fabrication. BRK se réserve le choix de réparer ou de remplacer ce produit ou tout composant de ce produit qui se sera avéré défectueux pendant la période de garantie. Celui-ce sera remplacé par un produit ou composant neuf ou remis à neuf. Si le produit n'est plus disponible, il sera remplacé par un produit semblable d'une valeur égale ou supérieure. Ceci est votre garantie exclusive.

Cette garantie est valide pour l'acheteur au détail initial à compter de la date d'achat au détail initiale et elle n'est pas transférable. Conserver le reçu de caisse original. Une preuve d'achat est nécessaire pour obtenir l'exécution de la garantie. Les concessionnaires, centres de service à la clientèle BRK ou les magasins détaillant des produits BRK ne sont pas autorisés à changer ou à modifier en aucune façon les conditions et modalités de la présente garantie.

La présente garantie ne couvre pas l'usure normale des pièces ni leur endommagement découlant des circonstances suivantes : utilisation négligente ou mésusage du produit, utilisation d'une tension ou d'un courant inadapté, utilisation contraire au mode d'emploi, démontage, réparation ou modification par toute entité autre que BRK ou un centre de service à la clientèle agréé. En outre, la présente garantie ne couvre pas les cas de force majeure, tels les incendies, inondations, ouragans et tornades ou les piles fournies avec cet appareil.

BRK rejette la responsabilité de tous dommages indirects ou consécutifs causés par l'inobservation de toute garantie expresse ou implicite. Sauf dans la mesure interdite par la loi applicable, toute garantie implicite de valeur marchande ou d'adaptation à une fin particulière est limitée dans le temps à la durée de la garantie ci-dessus. Certains états, provinces ou juridictions n'autorisent pas l'exclusion ou la limitation des dommages indirects ou consécutifs ou les limitations quant à la période de garantie implicite, il est donc possible que les limitations ou exclusions ci-dessus ne s'appliquent pas à vous. La présente garantie vous confère des droits légaux spécifiques et vous pouvez bénéficier d'autres droits qui varient selon l'état ou la province.

Comment obtenir un service de garantie

Entretien-dépannage : Si une intervention d'entretien-dépannage est nécessaire, ne pas retourner le produit au détaillant. Pour obtenir un service de garantie, s'adresser à la division du service à la clientèle au 1-800-323-9005, entre 7h30 et 17h heure normale du centre, du lundi au vendredi. Afin de nous aider à vous servir, soyez en mesure d'indiquer le numéro de modèle et la date d'achat lors de votre appel.

Pour une intervention d'entretien-dépannage au titre de la garantie retourner à : 25 Spur Drive, El Paso, TX 79906 É.-U.

Printed in Mexico M08-0124-001 J2 03/07

RELAY

CAT. RM4

BRK®

THE PROFESSIONAL STANDARD

120V AC, 60Hz Wire-in

Designed to activate an auxiliary device when an alarm is initiated. The RM4 Relay is intended for use with BRK and First Alert Smoke, Heat and Carbon Monoxide Alarms. 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

ALARM RELAY
Activates auxiliary devices from smoke, CO and/or heat alarm signal.

SMART INTERCONNECT
Works with all First Alert and BRK "Smart Interconnect" CO Alarms.

MEETS UL STANDARDS
UL217, UL2034 and UL539 for accessories.

MEETS ULC STANDARDS
ULC S-531, CSA6.19 and ULC S-530 for accessories.

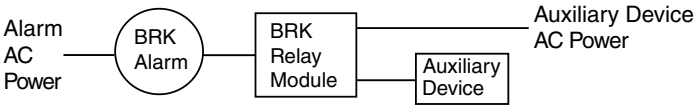
FITS IN MOST STANDARD ELECTRICAL BOXES

LIMITED 10 YEAR WARRANTY

Listed to UL 217 & UL 2034 Standards

CAT. **RM4**

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 and First Alert Smoke, Heat, and Carbon Monoxide Alarms.



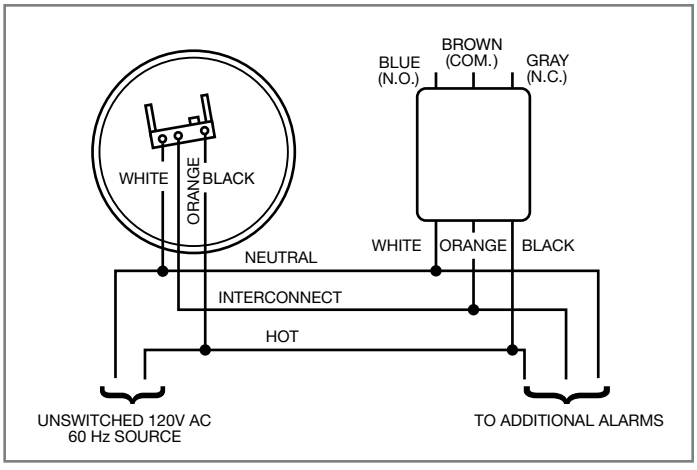
ARCHITECTURAL AND ENGINEERING SPEC

To install this relay to an alarm, connect the power wires as listed below. See diagram for connections. Note: 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.

ALARM	CONNECTION	RELAY
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
GRAY 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 SPECS

Dimensions:	3.5 L x 1.5 H
Weight:	2.2 oz
Operating Voltage:	120V AC 60Hz
Operating Current:	.02 amps (standby/alarm)
Temperature Range:	40°F (4°C) to 100°F (38°C)
Humidity Range:	10% to 90% relative humidity (RH)
Interconnections:	Up to 18 units of First Alert or BRK Smoke, CO and Heat Alarms. Maximum of 12 smoke alarms. See user's manual for details.
Listing:	Meets UL217, UL2034, UL539,ULC S-531, CSA6.19 and ULCS-530 for accessories.

SHIPPING SPECS:

Individual Bag Dim. (Approx.)	6.25"L x 1.50"W x 5.00"H
Weight	0.16 lbs.
Cube	0.03 ft3
UPC	0 29054 00057 6
Master Carton Dimensions	10.25"L x 4.75"W x 6.38"H
Master Pack	12
Weight	2.1 lbs.
Cube:	0.19 ft3
I2of5:	100 29054 00057 3
Pallet Information	
Cases per Layer	35
Number of Layers:	6
Cases per Pallet:	210
Units per Pallet:	2,520
Cube:	54.7 ft3
Weight:	695 lbs.

BRK®
THE PROFESSIONAL STANDARD
brkelectronics.com

Altronix® 6062
Multi-Purpose Timer

Overview:

Model 6062 programmable timer is suitable for many functions that require a timed operation e.g. Access Control Applications, Siren/Bell Cut Off Module, Dialer Delay, Guard Tour Supervisory Timer, etc. Some optional functions include: One Shot, Delayed Release, Delayed Operate, Delayed Pulse and Pulser/Flasher. A new feature has been added which provides a momentary relay activation at the end of a desired timing cycle. This feature eliminates the need for having to use two (2) timers to achieve this function.

Specifications:

Input:
- 12VDC or 24VDC operation is selectable.

Current Draw:
- Stand-by: 3mA, Relay energized: 40mA.

Relay:
- Selectable relay activation at the start or end of the timing cycle.
- One (1) second momentary relay activation at the end of the timing cycle (eliminates the need to use two (2) timers for this function).

Visual Indicators:
- LED indicates relay is energized.

Electrical:
- Operating temperature: -20º C to 49º C ambient.

Features:
- Triggers via positive DC (+) voltage, dry contact closure, or removal of contact closure.
- Quick and extremely accurate time range adjustment from 1 second to 60 minutes.
- Built-in reset feature that cancels timing cycle.
- Repeat (flasher/pulse) mode.

Mechanical:
- Snap Trac compatible (order Altronix model #ST3).
- Board Dimensions (L x W x H approx.): 3" x 2.5" x 0.75" (76.2mm x 63.5mm x 19.05mm).
- Product weight (approx.): 0.1 lb. (0.05 kg).
- Shipping weight (approx.): 0.15 lb. (0.07 kg).

Installation Instructions:

1. Mount 6062 in desired location/enclosure.
2. Set proper DC Input Voltage DIP Switch 3: 12VDC ON, 24VDC OFF.
3. Refer to **DIP Switch Selection** and **Jumper Selection Tables** for desired functions (e.g.: Timing, Trigger, Pulse)
4. Measure DC input voltage before powering device to ensure proper operation.
5. Refer to **Terminal Identification Table** and **Typical Applications fig. 1 through fig. 8.** for desired wiring connections.
   Note: When triggering via a N.O. (normally open), momentary or maintained trigger, connect the dry contact trigger to Pos (+) and TRG terminals. When triggering via a N.C. (normally closed), momentary or maintained trigger, connect the trigger to Neg. (–) and TRG terminals and install a resistor [for 12VDC - 2K (2,000 ohm) or for 24VDC - 4.7K (4,700 ohm)] between the Pos (+) and TRG terminals *(Fig. 8).*
6. Enable the reset features:
   - Cut J3 when power is removed the timer will reset and not re-trigger when power is restored unless a new trigger is applied.
   Note: The closed trigger and delayed pulse options will not operate if the reset feature is desired.

DIP Switch Selection Table:

DIP #	Off	On
1	Relay energizes at the start of timing cycle.*	Relay energizes at the end of timing cycle.*
2	1-60 Minutes timing range (trimpot adjustable).	1-60 Seconds timing range (trimpot adjustable).
3	24VDC operating voltage.	12VDC operating voltage.
4	Timing begins immediately upon trigger input.	Timing starts after removal of trigger input.

* When relay energizes (LED is on) [N.O. & C] switch from open to close and [N.C. & C] switch from close to open.

Jumper Selection Table:

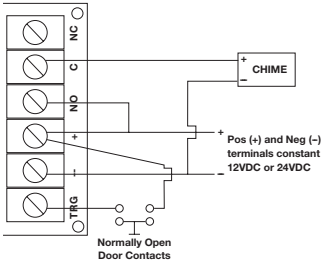
Number	Function/Description
J1	Cutting J1 selects the pulser/flasher mode. Relay will flip ON and OFF continuously in equally set timed intervals when timer is powered up.
J2	Cutting J2 puts timer in delayed output mode. Relay will pulse for 1 second at the end of a preset timing cycle. *DIP Switch 1 must be ON for this function.
J3	6062 will go through an initial timing cycle when first powered up unless J3 is cut. If J3 is cut, timing can only be initiated via TRG terminal.

Terminal Identification:

Terminal Legend	Function/Description
TRG	Applying a positive voltage will activate timing cycle. Trigger voltage range: 7-12VDC at 12 volt setting, 15-24VDC at 24 volt setting.
– , +	Connect 12 or 24VDC filtered and regulated voltage. Refer to **DIP Switch Selection Table** for voltage setting.
N.O., C, N.C.	Dry form "C" relay contacts are rated 8A at 120VAC/28VDC.

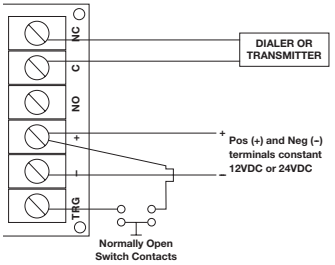
6062 Typical Applications:

Fig. 1 - **Timed Door Annunciator:**



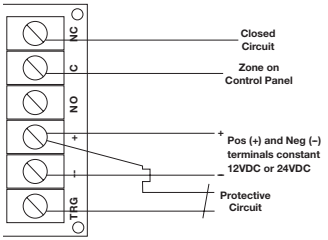
For this application Switch #1 and Switch #4 should be in the OFF position.

Fig. 2 - **Guard Tour Supervisory Timer:**



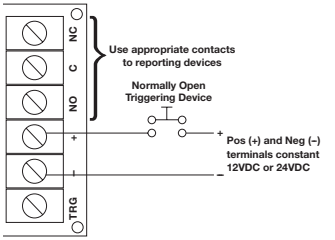
For this application Switch #1 and Switch #4 should be in the OFF position.

Fig. 3 - **Swinger Eliminator:**



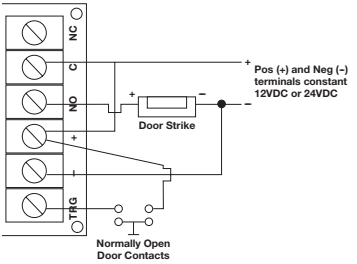
For this application Switch #1 should be in the OFF position and Switch #4 should be in the ON position.

Fig. 4 - **Delay Timer:** Use for Door Ajar Alarm, Delayed Activation of Digital Dialer, Defrost Cycle Timer, etc...



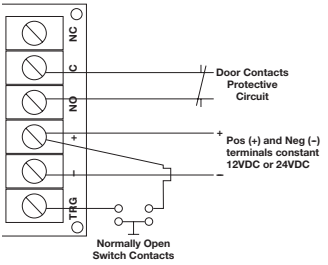
For this application Switch #1 should be in the ON position and Switch #4 is not used in this application.

Fig. 5 - **Timed Door Strike:**



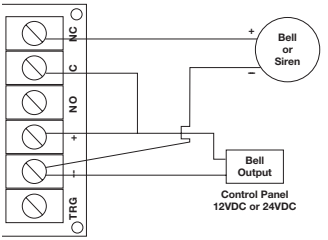
For this application Switch #1 should be in the OFF position and Switch #4 should be in the ON position.

Fig. 6 - **Timed Shunt for a Door: Use to bypass alarm contacts.**



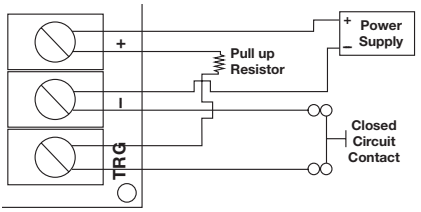
For this application Switch #1 should be in the OFF position and Switch #4 should be in the ON position.

Fig. 7 - **Bell Cut Off Timer:**



For this application Switch #1 should be in the ON position and Switch #4 is not used in this application.

Fig. 8 - **Closed Circuit Trigger Option:**



For this application a resistor [for 12VDC - 2K (2,000 Ohm) or for 24VDC - 4.7K (4,700 Ohm)] must be installed as shown (resistor not supplied).

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Altronix®

6062

Rev. 01032022

Multi-Purpose Timer

Altronix 6062 programmable timer is suitable for many functions that require a timed operation e.g. Access Control Applications, Siren/Bell Cut Off Module, Dialer Delay, Guard Tour Supervisory Timer, etc. Some optional functions include: One Shot, Delayed Release, Delayed Operate, Delayed Pulse, and Pulser/Flasher.

6062

Specifications

Input

Voltage	12VDC or 24VDC selectable
Current Draw	Stand-by: 3mA, Relay energized: 40mA.

Relay

Contact Rating	8A/120VAC or 28VDC contacts

Selectable relay activation at the start or end of the timing cycle

One (1) second momentary relay activation at the end of the timing cycle (eliminates the need to use two timers for this function)

Timer

Triggers via positive DC (+) voltage, dry contact closure or removal of contact closure.

Quick and extremely accurate time range adjustment from 1 second to 60 minutes.

Built-in reset feature cancels timing cycle

Repeat (flasher/pulse) mode

Indicators (LED)

Red	Indicates relay is energized.

Physical and Environmental

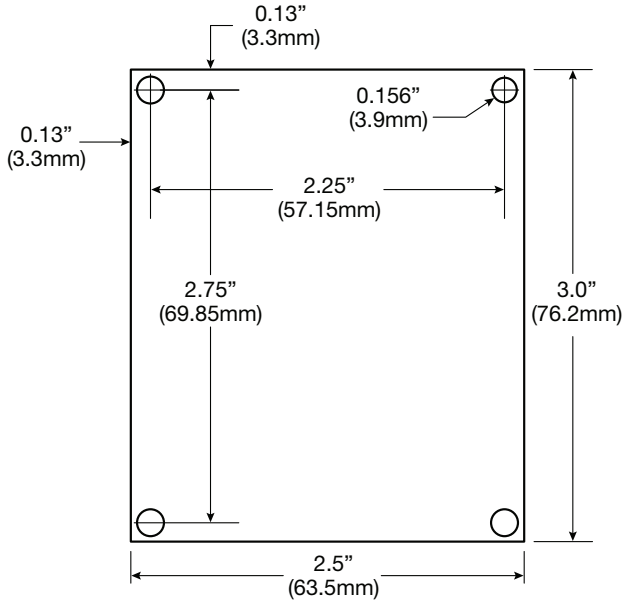
Dimensions (L x W x H)

3" x 2.5" x 0.75" (76.2mm x 63.5mm x 19.05mm)

Product Weight	0.1 lb. (0.05 kg).
Shipping Weight	0.15 lb. (0.07 kg).
Temperature	
Operating	-20ºC to 49ºC (-4ºF to 120ºF)
Storage	-25ºC to 70ºC (-13ºF to 158ºF)
Relative Humidity	85% +/-5%.

Board Dimensions (L x W x H) and Drawing

3" x 2.5" x 0.75" (76.2mm x 63.5mm x 19.05mm)



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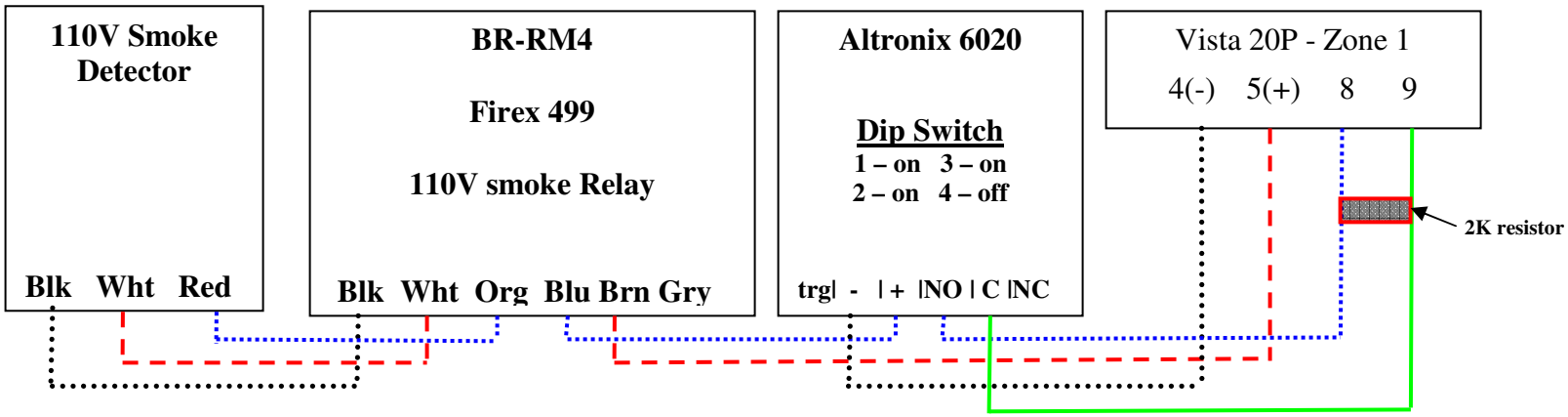
NOTE: Credit to the Alarm Guy Russ VanDevanter, Seattle, WA for the wiring diagram related to integrating 110v 3 wire smoke detectors into the Vista 20P Alarm Panel.
https://www.alarmprofessor.com/110vac-smoke-detector-integration-with-timer/

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)