

## WIRING INSTRUCTIONS FOR Fire Sense™ (DAS)

\*Fire Sense™ is also known as Detector Activated Switch (DAS)

1. Ensure that the mains (120VAC/60Hz) power is turned off.
2. Connect the Fire Sense™ thick **WHITE** wire and **GRAY** wire to the mains neutral wire.
3. Connect the Fire Sense™ **BLACK** wire to the mains line (hot) wire and the motor neutral.
4. Connect the Fire Sense™ **PURPLE** wire to the output side of the up roller shutter motor.
5. Connect the Fire Sense™ **BROWN** wire to the output side of the down roller shutter motor.
6. Connect the Fire Sense™ **THIN RED** wire to the red (positive) wire of the smoke detector.
7. Connect the Fire Sense™ **BLUE** wire to the white (negative) wire of the smoke detector.
8. Connect the Fire Sense™ **GREEN** wire to the Ground (Earth Ground).

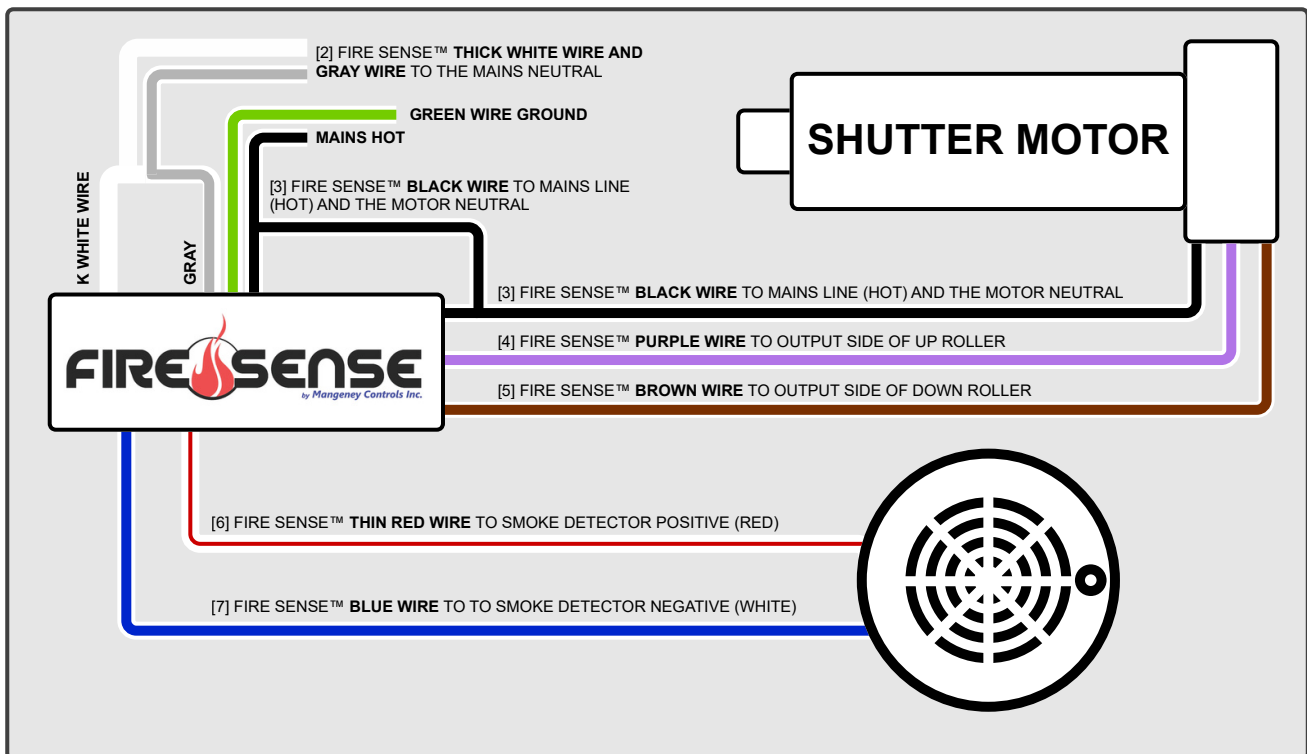
Fire Sense™ does not have a secondary power supply and the connected single station smoke alarm will not activate the Fire Sense™ and subsequently raise the shutter if household power is lost. (A battery back-up may be used.)

Connections between the single station smoke alarm and Fire Sense™, and Fire Sense™ and the shutter motor, are not supervised and the Fire Sense™ user shall periodically test the single station smoke alarm (minimum frequency as recommended by the smoke alarm manufacturer) to verify that the single station smoke alarm retains the ability to activate Fire Sense™ and connected shutter motor.

The single station smoke alarm connected to Fire Sense™ will not activate other smoke alarms in the home and vice versa. Additional smoke alarms must be installed to meet the minimum code requirements mandating smoke alarm installation, refer to Chapter 29 of NFPA 72-2.



**IMPORTANT NOTICE:**  
INSTRUCTIONS MUST BE FOLLOWED OR SWITCH WILL NOT WORK.



### TESTING

TEST BY PUSHING THE TEST/HUSH BUTTON ON THE COVER OF THE SMOKE DETECTOR WHILE THE ROLL DOWN SHUTTER IS IN THE DOWN POSITION FOR A MINIMUM OF 5 SECONDS. THIS WILL SOUND THE ALARM AND RAISE THE SHUTTER IF ALL ELECTRONIC CIRCUITRY, HORN, AND BATTERY ARE WORKING. THIS TEST TO BE DONE WEEKLY.

### RECOMMENDED SMOKE DETECTORS:

KIDDE FIREX 14618A, 14718A, 15000A SERIES.  
FOR MORE INFORMATION ABOUT COMPATIBLE SMOKE DETECTORS CALL: MANGENEY CONTROLS TECH SUPPORT AT 800-691-3122.

### INSTALLATION INSTRUCTIONS/WIRING REQUIRMENTS

FIRE SENSE™ SHOULD BE INSTALLED IN A UL LISTED OR RECOGNIZED JUNCTION BOX. ALL CONNECTIONS SHOULD BE MADE BY A QUALIFIED ELECTRICIAN AND ALL WIRING USED SHALL BE IN ACCORDANCE WITH ARTICLES 210 AND 300.3 (8) OF THE NATIONAL ELECTRIC CODE ANS/NFPA 72 AND/OR ANY OTHER CODES HAVING JURISDICTION IN YOUR AREA.

THE APPROPRIATE POWER SOURCE IS 120 VOLT AC SINGLE PHASE. THE MAXIMUM RUN DISTANCE BETWEEN FIRE SENSE™ AND THE SMOKE DETECTOR IS 100 FEET.