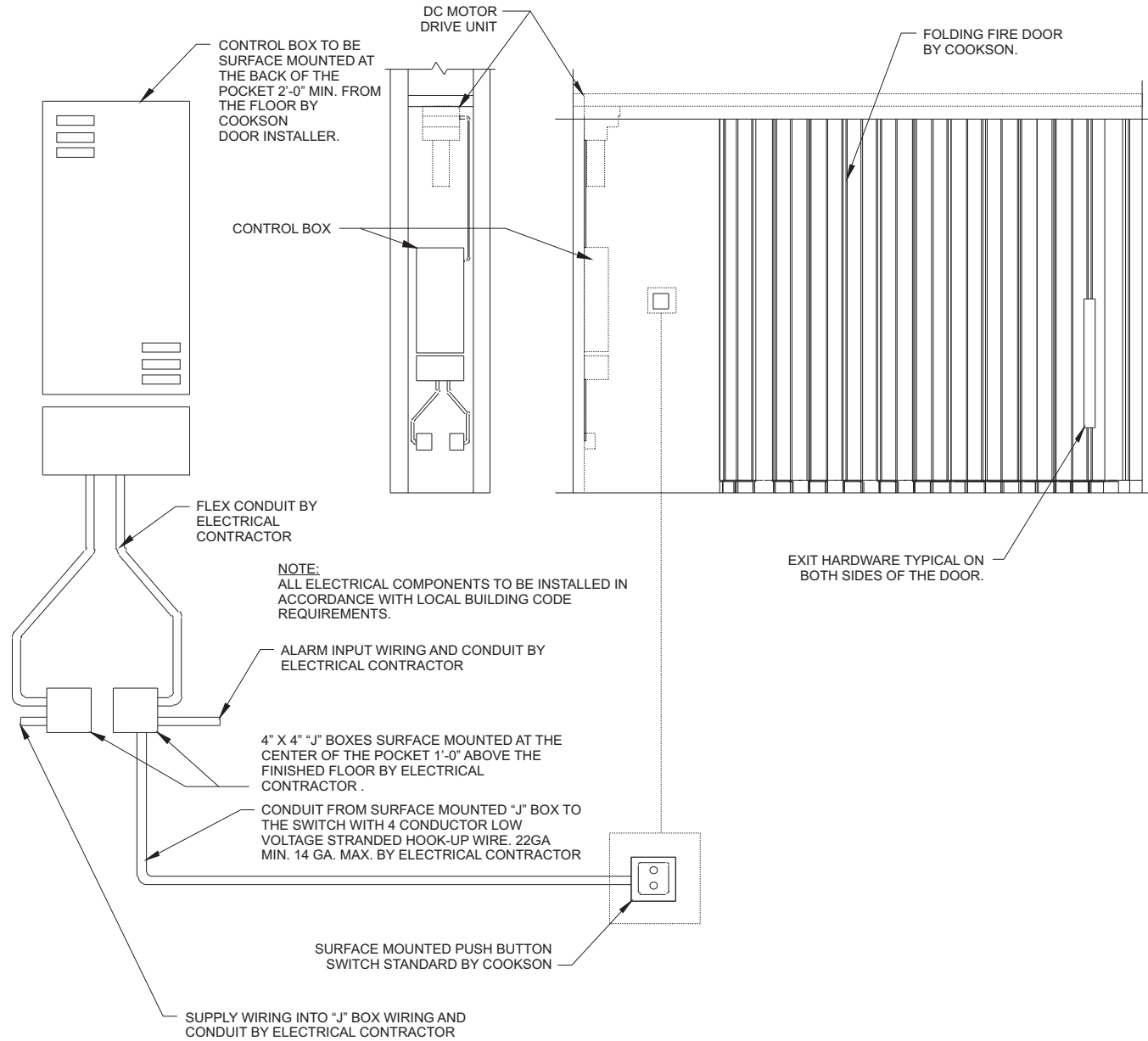


FIRE KONTROL™ ELECTRICAL COORDINATION



Fire Kontrol™ Electrical Coordination

Installer Requirements:

- Mount operator and Control Box
- Mount Control Station
- Run wires and make connections at control box for Leading Sensing Edge, Emergency Exit Hardware & High Temperature Limit Sensor

Electrical Contractor Requirements:

- Mount two 4" x 4" J-boxes, back of pocket, 12" up from floor
- Conduit / 120 VAC wiring to J-box & control box
- Conduit / wiring from other J-box to control box, wall mounted control station, and alarm signaling device.

Fire Kontrol™ Sequence of Operation

Normal Operation and AC power is available. Security mode not selected.

1. Capable of daily operation
2. Normal open / close operation via surface mounted three function control station provided as standard. Open and Close require constant pressure to maintain door motion. Stop button will stop door movement.
3. The Leading Sensing Edge stops door motion. Sensing edge also disengages clutch so door can be manually pushed in the opening direction when sensing edge is compressed.
4. Emergency Exit Hardware on both sides will open a closed door. Door opens the preset distance and remains open.

Normal Operation and AC power is available. Security mode is selected.

1. All functions of "Normal Operation" except: Emergency Exit Hardware will not open a closed door when not in alarm mode.

Normal Operation and AC power is NOT available. Both in Security mode and not in Security mode.

1. Door operation is the same as when AC power is available.
2. Green AC power light on control box cover goes off. (cannot be seen outside of pocket)
3. Monitoring signal (24vdc signal) activates. Monitoring device must be provided by end user.

Monitoring contacts.

1. Monitoring connection points are provided at terminal strip so that end user can monitor door position.

Alarm Condition. AC power available or No AC power.

1. Door is signaled to close automatically upon alarm signal.
2. Leading Sensing edge will stop on any object in opening. When object is removed door will continue closing until it reaches full closed position.
3. Emergency Exit Hardware on both sides of the door will open the door to the preset distance. Minimum opening is 54 inches.
4. Repeated activation of the Emergency Exit Hardware bar will open the door a second preset distance. (cumulative operation). Also note that pushing on sensing edge disengages clutch. Door can be pushed open if you push on sensing edge.
5. Emergency Exit Hardware bar functions as above even if security mode was selected for normal operation.
6. After door has opened the preset distance it will pause for 2 seconds and then re-close. (Pause time is adjustable to 10 seconds.)
7. A high limit sensor will prevent Emergency Exit Hardware activation if the temperature at the door reaches 450° F.
8. 24 VDC signal is available.