

EXP™ System Controller Operational Posting

I. OPERATION

Normal Standby

1. Green NORMAL LED lit steady.
2. Panel buzzer off.

System Alarm

- The protection system has been compromised. An orderly shutdown will occur.**
 - No shutdown will occur, per hazard analysis.**
1. Red Alarm Zone LED (A/B) flashes.
 2. Local buzzer on.
 3. Explosion protection measures activate.
 4. First Alarm event is displayed on LCD.
 5. All active events are displayed on LCD in order of occurrence.
 6. Press the SILENCE button to turn off the local buzzer. Displayed events will stop flashing.
 7. Select the ALARM event queue to view all active Alarm events.
 8. Select ZONE STATUS to view events by Zone (A & B).
 9. Investigate the cause of the Alarm and take appropriate actions.
 10. Do not RESET the panel at this time. Contact your system service provider. See Section VI.

System Fault (Mechanical/Electrical)

- The protection system has been compromised. An orderly shutdown will occur.**
 - No shutdown will occur, per hazard analysis.**
1. Yellow Fault Zone LED (A/B) flashes.
 2. Local buzzer on.
 3. Fault event(s) displayed on LCD in order of occurrence.
 4. Press the SILENCE button to turn off the local buzzer. Displayed events will stop flashing.
 5. Select the MECHANICAL or ELECTRICAL FAULT queues to view all active Fault events.
 6. Select ZONE STATUS to view events by Zone (A & B).
 7. Investigate the cause of the Fault and take appropriate action.

8. The panel will return to Normal operation if the event clears or the panel is RESET.
9. Contact your system service provider if Fault event(s) continue to occur. See Section VI.

System Warning

- The system has detected conditions not within expected limits, but the protection is still in place. An orderly shutdown will occur.**
 - No shutdown will occur, per hazard analysis.**
1. Yellow Fault Zone LED (A/B) flashes.
 2. Local buzzer on.
 3. Warning event(s) displayed on LCD in order of occurrence.
 4. Press the SILENCE button to turn off the local buzzer. Displayed events will stop flashing.
 5. Select the WARNING event queue to view all active Warning events.
 6. Select ZONE STATUS to view events by Zone (A & B).
 7. Investigate the cause of the Warning and take appropriate actions.
 8. The panel will return to Normal operation if the event clears or the panel is RESET.
 9. Contact your system service provider if Warning event(s) continue to occur. See Section VI.

II. LED INDICATORS

Normal (green): Illuminates solid to indicate no active events exist on the system.

Warning (yellow): Illuminates when a warning event is present on the system. This event type will not cause a process shutdown.

Fault Zone A & B (yellow): Illuminates when a Fault (electrical or mechanical) is present on the system. This event type will not cause a process shutdown.

Release Zone A & B (red): Illuminates when a Release is present on the system.

III. CONTROL BUTTONS WITH LED

RESET (white): When pressed:

1. The panel and all field devices connected to it will be reset.
2. Resettable power to field devices will be turned off.
3. Any active events that still exist after a RESET will reactivate the system.
4. The switch LED will turn on while the reset is in process and turn off after completion.

CAUTION: Hazard protection will be disabled during the reset procedure.

CAUTION: After a system activation, the RESET switch will be inoperable for 2 minutes until the EXP User Interface confirms it has received and recorded the detector pressure data from the event.

SILENCE (white): When pressed:

1. The panel's local buzzer will turn off.
2. The switch LED will turn on when the switch is active.
3. Any flashing LEDs or flashing events displayed on the User Interface will turn on steady.

IV. ZONE DISABLE SWITCHES

CAUTION: Zone Disable switch operation affects the local panel and its connected AFMs only. Networked panels must be disabled individually.

CAUTION: Where dual-input AFMs are used, it may be necessary to disable both zones connected to the AFM to prevent accidental operation.

Zone Disable switch (A or B) turned to the DISABLED position:

1. The hazard protection for the selected zone will be disabled, while the detection inputs for the selected zone will continue to operate.
2. A Disable Fault Event will be displayed on LCD.
3. Local buzzer on.
4. Press the SILENCE button to turn off the local buzzer. Displayed events will stop flashing.
5. Select the MECHANICAL FAULT queue to view all active Fault events.
6. Select ZONE STATUS to view events by Zone (A & B).

7. The panel will return to Normal operation once the switch or switches are returned to the ENABLED position.

V. MAINTENANCE AND SERVICE

The explosion protection system shall be Inspected and Maintained in accordance with the adopted standards and the requirements of the local authority having jurisdiction (AHJ).

Only factory-trained and authorized service personnel shall be allowed to work on the system.

VI. FOR SERVICE CONTACT:

Company Name:

Address:

Phone #: _____

Refer to Fike document #P22419, EXP manual, for product details.

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Normal Standby

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System Alarm

The protection system has been compromised. An orderly shutdown will occur.

No shutdown will occur, per hazard analysis.

1. Red Alarm Zone LED (A/B) flashes.
2. Local buzzer on.
3. Explosion protection measures activate.
4. Status of Zone A and B is displayed on LCD.
5. Press the SILENCE button to turn off the local buzzer. User Interface LEDs and event messages will stop flashing.
6. Select the EVENT STATUS button to view all active events. Active events will be displayed on LCD in order of occurrence.
7. Select the ALARM event queue to view all active Alarm events.
8. Investigate the cause of the Alarm and take appropriate actions.
9. Do not RESET the panel at this time. Contact your system service provider. See Section VI.

System Fault (Mechanical/Electrical)

The protection system has been compromised. An orderly shutdown will occur.

No shutdown will occur, per hazard analysis.

1. Yellow Fault Zone LED (A/B) flashes.
2. Local buzzer on.
3. Status of Zone A and B is displayed on LCD.
4. Press the SILENCE button to turn off the local buzzer. User Interface LEDs and event messages will stop flashing.
5. Select the EVENT STATUS button to view all active events. Active events will be displayed on LCD in order of occurrence.
6. Select the MECHANICAL or ELECTRICAL FAULT queues to view all active Fault events. Fault event(s) displayed on LCD in order of occurrence.

7. Investigate the cause of the Fault and take appropriate actions.
8. The panel will return to Normal operation if the event clears or the panel is RESET.
9. Contact your system service provider if Fault event(s) continue to occur. See Section VI.

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No shutdown will occur, per hazard analysis.

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3. Status of Zone A and B is displayed on LCD.
4. Press the SILENCE button to turn off the local buzzer. User Interface LEDs and event messages will stop flashing.
5. Select the EVENT STATUS button to view all active events. Active events will be displayed on LCD in order of occurrence.
6. Select the WARNING event queue to view all active Warning events. Warning event(s) displayed on LCD in order of occurrence.
7. Investigate the cause of the Warning and take appropriate actions.
8. The panel will return to Normal operation if the event clears or the panel is RESET.
9. Contact your system service provider if Warning event(s) continue to occur. See Section VI.

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2. The switch LED will turn on when the switch is active.
3. Any flashing LEDs or flashing events displayed on the User Interface will turn on steady.

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1. The hazard protection for the selected zone will be disabled, while the detection inputs for the selected zone will continue to operate.
2. A Disable Fault Event will be displayed on LCD.
3. Local buzzer on.
4. Press the SILENCE button to turn off the local buzzer. Displayed events will stop flashing.
5. Select the EVENT STATUS button to view all active events. Active events will be displayed on LCD in order of occurrence.
6. Select the MECHANICAL FAULT queue to view all active Fault events.

7. The panel will return to Normal operation once the switch or switches are returned to the ENABLED position.

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