CHECKFIRE 110 DETECTION AND ACTUATION SYSTEM

ANSUL®

OWNERS' GUIDE

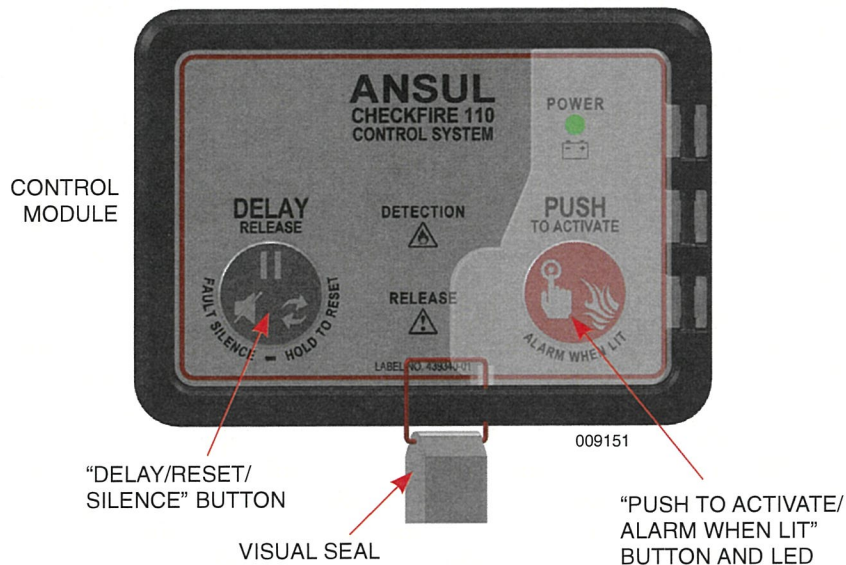Johnson Controls

CHECKFIRE 110 Detection and Actuation System Owners' Guide

CONTROL MODULE

"DELAY/RESET/ SILENCE" BUTTON

VISUAL SEAL

"PUSH TO ACTIVATE/ ALARM WHEN LIT" BUTTON AND LED

This vehicle/equipment is monitored with a CHECKFIRE 110 Detection and Actuation System which is typically connected to an ANSUL® A-101 or LVS Fire Suppression System for 24-hour fire suppression. The operator of the equipment should be provided with hands-on training by Authorized ANSUL Distributors or the end user.

This handbook is a quick-reference guide for basic operation of the CHECKFIRE 110 system. Two buttons on the control module and manual actuators provide operator control.
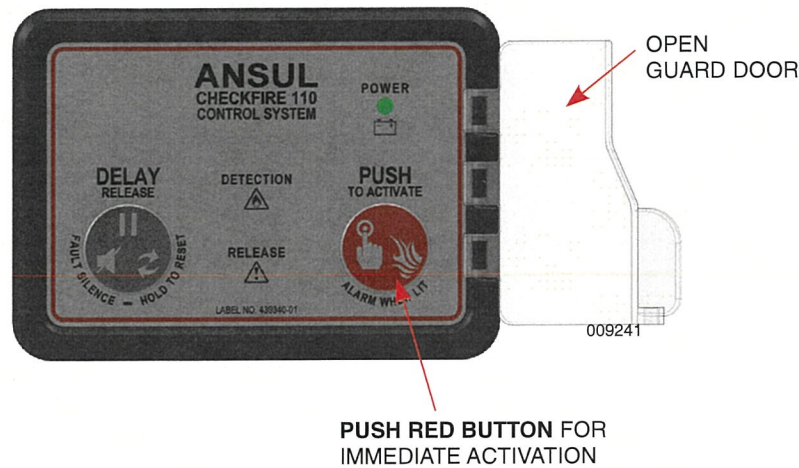

Fill-In System Information (as installed)

External Power Supply (vehicle battery, power panel, etc.):

_____

Note: Internal backup power provides approximately 72 hours of power during normal operating conditions.

Selected Time Delay Period (seconds): ☐ 5   ☐ 15

Pressure Switch Auxiliary Operation: _____

_____

_____

IN CASE OF FIRE: Manual Actuation

PUSH **RED BUTTON** FOR IMMEDIATE ACTIVATION

1) Safely bring equipment to complete stop, set brake and shut off engine.

2) Break visual seal and open guard door.

3) Push the red "PUSH To Activate / Alarm When Lit" button.

4) Release circuit immediately activates the connected fire suppression system (if included, pressure switch activates auxiliary operation). **See Note below.**

5) Safely exit equipment and stand-by with supplemental firefighting equipment.

6) Optional manual actuation: Pull ring pin and strike red button on electric or pneumatic manual actuator.

Note: The red "PUSH To Activate / Alarm When Lit" LED and sounder remain steady-on for 10 sec. during initiation (release) of fire suppression system. Post release: "PUSH To Activate/ Alarm When Lit" and Release LEDs and sounder continue to pulse 1 x 10 sec. If safe to re-enter equipment, push "DELAY/ Reset/Silence" button to silence sounder for two hours.

Fill-In System Information (as installed)

Electric or Pneumatic Manual Actuator Location(s):

_____

_____

_____

_____

IN CASE OF FIRE: Automatic System Operation

1) Detector(s) registers alarm condition in the hazard area and initiates the time delay on the control module.

2) "PUSH To Activate / Alarm When Lit" LED and sounder:

   a. Pulse 2 x 1 sec. until last 5 sec. of Time Delay; then pulse 4 x 1 sec. during final 5 sec. **To restart time delay press and release DELAY/RESET/SILENCE (Grey) button (see below for more information).**

   b. After time delay, "PUSH To Activate / Alarm When Lit" LED and sounder are steady-on for 10 sec. during initiation (release) of fire suppression system (if included, pressure switch activates auxiliary functions).

3) As soon as time delay begins: Safely stop equipment, set brake, shut off engine, and exit. Standby with supplemental firefighting equipment.
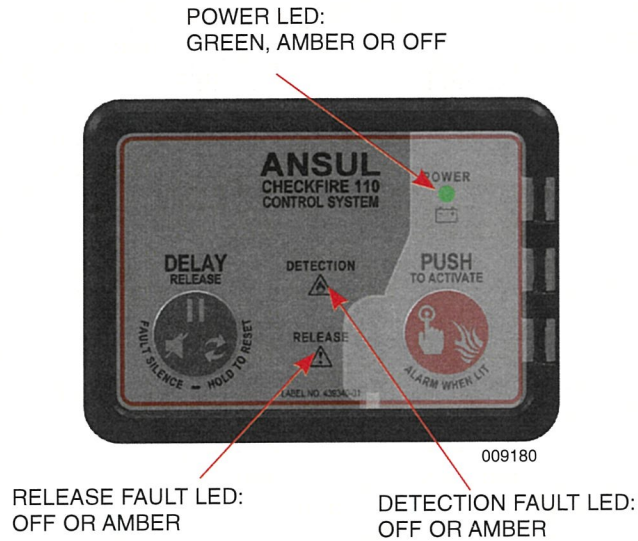

009180
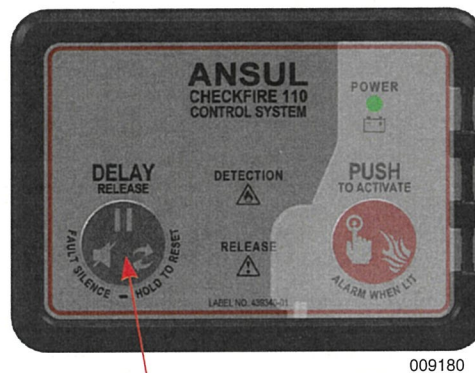
PUSH GREY BUTTON TO RESTART TIME DELAY

DELAY/RESET/SILENCE (Grey) Button

1) **Restart Time Delay:** Press and release to restart the time delay cycle during alarm condition.

   a. Must be initiated before release circuit activates.

   b. **Note:** Press and hold will not extend time delay period.

2) **Silence sounder (post discharge or fault notification) for two hours:** Press and release to silence sounder; LED fault indication will continue until fault is cleared. Any new fault or detection event will reactivate sounder.

3) **Reset function** is for Authorized ANSUL Distributor service technician.

FRONT PANEL INDICATORS

POWER LED:
GREEN, AMBER OR OFF

009180

RELEASE FAULT LED:
OFF OR AMBER

DETECTION FAULT LED:
OFF OR AMBER

1) Power LED

   a. Green steady-on indicates normal external power.

   b. Amber pulsing 1 x 30 sec. indicates external power fault; Sounder auto-silences after 10 min. to conserve power.

   Amber pulsing 1 x 10 sec. indicates internal power fault; sounder auto-silences after 10 min. to conserve power.

   Power fault will continue for up to 72 hours as long as fault exists or until unit powers down.

   Contact Authorized ANSUL Distributor for service.

   c. Off indicates no system power.

2) Release and Detection Fault LEDs

   a. Off indicates normal status.

   b. Amber pulsing with sounder indicates a fault condition.

CAUTION

Any fault indication may cause the fire detection and actuation system to not function properly; immediately contact an Authorized ANSUL Distributor for service.

FRONT PANEL INDICATORS (Continued)

3) Red "PUSH" To Activate / Alarm When Lit" LED (sounder matches pulse rate).

    a. Pulsing 2 x 1 sec. indicates Alarm Condition and time delay starts countdown (last 5 sec. pulsing increases to 4 x 1 sec.).

    b. Steady-on for 10 sec. indicates Release Activated.

    c. Pulsing 1 x 10 sec. indicates Post Release Activated.

    d. LED is also a button, see page 2 for manual activation of fire suppression system.

4) DELAY/Reset/Silence Button

    a. Icons on button represent options for system control.

        During Time Delay, press button to **restart** Time Delay.

        When sounder is pulsing, press button to **silence**.

        Press and hold button for 3 sec. to **reset** system.