# Cargo Fire Panel

### FWD or AFT HEAT / SMOKE light

Illuminates when heat or smoke is detected in lower FWD or AFT (respective) cargo compartment

**HEAT or SMOKE** (illuminated)
-Illuminates (steady red) to indicate where heat or smoke has been detected
-Automatically shuts off the respective lower cargo vent fans

### FWD or AFT FLOW Light & Switch

**DISAG** (illuminated)
-Disagreement between switch and operation of the fans
-Indicates vent fans in respective compartment have automatically stopped to prevent the fire agent from escaping

**Pressing the Switch**
-Extinguishes the DISAG light
-Illuminates the OFF light

**OFF**
-Flow (via vent fans) has been commanded off by pressing the switch
-Prevents vent fans from automatically starting when heat or smoke is no longer detected

### AGENT DISCH FWD 2 / AFT 2 / LOW Switch

**FWD 2 or AFT 2** (illuminated)
-Light flashes appx 90 minutes after discharge of FWD 1 or AFT 1 fire bottle (if bottle 2 has not already been manually discharged)

**Pressing the switch**
-Discharges fire bottle #2 into the respective compartment
-Light extinguishes and LOW light illuminates

**LOW** (illuminated)
-Illuminates steady after agent is discharged (appx 15 seconds)

### AGENT DISCH FWD 1 / AFT 1 / LOW Switch

**FWD 1 or AFT 1** (illuminated)
-Light flashes, indicating where fire/smoke has been detected.

**Pressing the switch**
-Discharges fire bottle #1 into the respective compartment
-Light extinguishes when smoke/heat is no longer detected

**LOW** (illuminated)
-Illuminates steady after agent is discharged (appx 28 seconds)



Air Synoptic Display

**Memory item**
**Flashing cargo fire agent discharge switch - Push**

### CARGO FIRE TEST

The Cargo Fire Test will automatically start when the first IRS selector is moved from OFF to NAV. This test is rearmed to start automatically after each landing, or when electrical power is removed from the aircraft. If an IRS selector is subsequently cycled OFF, then back to NAV (without the accomplishment of a landing, or without removing power from the aircraft), the automatic Cargo Fire Test will not start. If, for any reason, the automatic Cargo Fire Test does not occur after moving the IRS selector from OFF to NAV, the Cargo Fire Test can be initiated manually by pressing the MANUAL TEST switch.
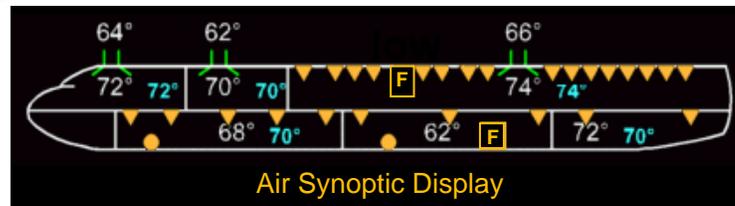
**Initiating the cargo fire test:**
-Illuminates the TEST button light
-Illuminates the HEAT / SMOKE lights
-Illuminates all 4 LOW lights
-Illuminates both DISAG lights
-Illuminates the Master Warning light
-Illuminates the Cabin Air System "Smoke" warning light on the Air Panel
-Generates the Alert sound
-Displays CARGO FIRE TEST on EAD
-Displays CARGO SMOKE TEST on SD

During the Cargo Fire Test, the Air Synoptic Display will show the status of smoke and heat detectors. Smoke detectors are normally displayed as solid amber triangles ▼ in their respective compartment locations. Heat detectors are normally displayed as solid amber circles ● in their respective compartment locations.

During the cargo fire test, any failure detected in the system will cause a CRG FIRE TST FAIL alert to display.

A failed smoke detector is displayed as a boxed amber F in place of the solid amber triangle. A failed heat detector is displayed as a boxed amber F in place of the solid amber circle.