

FIRECLASS Prescient III Visual Indications & User Controls



DANGER: Hazardous Voltage

- This equipment contains hazardous voltages that can cause death, serious personal injury, or equipment damage.
- This equipment contains no user serviceable parts. Refer all maintenance to suitably qualified personnel.



NOTICE: Panel Operation

Rotate the **BEDIENING** key to the **AAN** position in order to operate any of the buttons. Remove the Key when the panel is to be left unattended.

Fire - General

The **RED** zonal fire LEDs will pulse, the alarms will sound and the internal buzzer will pulse once every second.

Locate the source of the fire (an LED will be visible on the detector which has been activated).

To silence the alarms, press **SIGNAAL GEVERS UIT**. The alarms will silence and the red fire LEDs will change to a steady illumination.

If necessary, the alarms can be reactivated by pressing **SIGNAAL GEVERS AAN**.

When the fire has been extinguished, press **HERSTEL BRANDALARM**. Should the system have activated for no apparent reason, please note which detector has been

activated before pressing the **HERSTEL BRANDALARM** button, then contact your service engineer.

Fire - Zones 1 or 2 - Automatic Mode

If a fire is detected on either zone 1 or zone 2, the relevant red zone LEDs will pulse, the alarms will sound and the **Systeem Aktief** LED will pulse.

If a fire is detected on both zones 1 & 2, both zone LEDs will pulse, the alarms will sound and the **Systeem Aktief** LED will illuminate steady. In addition: the extinguishing Sounders will operate and the "Blusvertraging" will show the Extinguishant Release Timer countdown.

- The Extinguishant Release Timer may be stopped manually by pressing the **Timer Hold** button on a Status Lamp Unit (the Timer will be reset to the start of the countdown). The extinguishing Sounders will change to a pulsed operation. When the button is released the timer will start running again and the extinguishing Sounders will return to constant operation.
- When the Timer ends the "Blusvertraging" display will clear and the Extinguishant will be released.

Fire - Zones 1 or 2 - Manual Mode

The system will behave as outlined for automatic mode with the exception that the **Systeem Aktief** LED will not be illuminated steady and the extinguishant release timer will not be initiated. In this case the Extinguishant can only be released by operation of manual release.

Automatic or Manual Mode - Manual Release

If a Manual Release switch is operated, the **Handactivering** LED will pulse, the alarms will sound, and the "Blusvertraging" display will show the Extinguishant Release Timer countdown. The timer can be suspended as described above.

The extinguishant will be released after timer ends.

Emergency Abort

The Extinguishant Release may be aborted at any time by operating the **Emergency Abort** switch on a Status Lamp Unit. Once aborted, the system must be fully reset by sequential operation of the **HERSTEL**

BRANDALARM & HERSTEL BLUSSING buttons. The latched Abort switch must also be returned to the OFF position.

Fault Indication

The internal buzzer will pulse once every 3 seconds and the appropriate fault LED(s) will pulse. Call your service engineer immediately. Press ZOEMER UIT to silence the buzzer.



WARNING: Hazardous Voltage
This equipment contains dangerous voltages. To prevent electric shock, do not open the panel door. There are no user-serviceable parts inside - for servicing, contact suitably qualified personnel.

Circuit Disablement

To disable a circuit, press the SELECTEER AAN/UIT button. The SELECT cursor will flash on the DOORMELDING BRAND fault LED. Press the SELECT

button to move the cursor to the required circuit fault LED and then press the UITSCHAKELEN button.

To enable a circuit, repeat the above procedure to select the required circuit and press the INSCHAKELEN button.

Press the SELECTEER AAN/UIT button to cancel the SELECT cursor.

Display Test

The TEST button should be operated every week as part of the system test routine for checking correct operation of the panel buzzer and all LEDs. Press and release the button to sound the buzzer and illuminate all the LEDs for 5 seconds.

Routine System Test

This should be carried out in accordance with the recommendations of the local Fire Prevention Officer. Refer to the MZX-e Logbook.

Visual Indications & User Controls

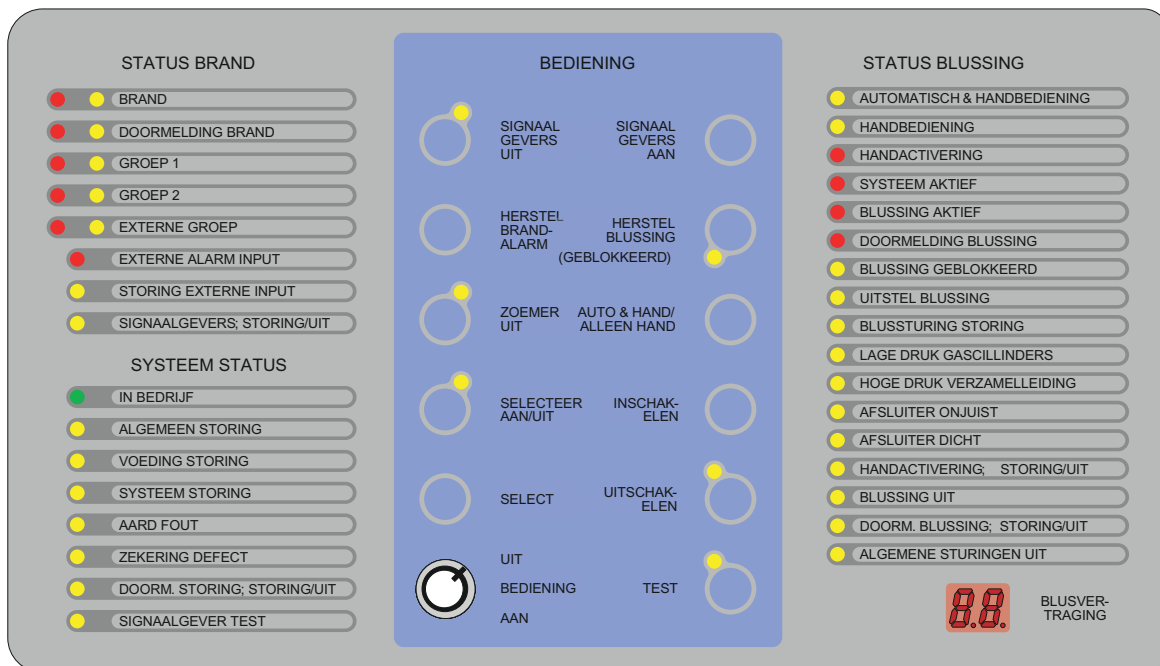


Fig. 1: Visual Indications & User Controls

Status Brand (Fire Status) Indications

- BRAND (FIRE)

Two Red LEDs: normally off, pulsing for a fire alarm on zones 1, 2, or Aux Zone. The LEDs are illuminated steady if the general sounders are silenced during the fire alarm.
- DOORMELDING BRAND (FIRE SIGNAL)

Red LED: normally off, illuminating steady when the Fire Signal output is active.

Yellow LED: normally OFF, pulsing for an open or short circuit fault on the Fire Signal output, illuminating steady if the Fire Signal output is disabled.
- GROEP 1 (ZONE 1)

Red LED: normally off, pulsing if a fire condition is detected on zone 1, illuminating steady when the alarm is accepted (by operation of the **SIGNAAL GEVERS UIT** button).

Yellow LED: normally off, pulsing for an open or short circuit fault on Zone 1, illuminating steady if Zone 1 is disabled.
- GROEP 2 (ZONE 2)

Red LED: normally off, pulsing if a fire condition is detected on zone 2, illuminating steady when the alarm is accepted (by operation of the **SIGNAAL GEVERS UIT** button).

Yellow LED: normally off, pulsing for an open or short circuit fault on Zone 2, illuminating steady if Zone 2 is disabled.
- EXTERNE GROEP (AUX ZONE)

Red LED: normally off, pulsing if a fire condition is detected on the Aux Zone, illuminating steady when the alarm is accepted (by operation of the **SIGNAAL GEVERS UIT** button).

Yellow LED: normally off, pulsing for an open or short circuit fault on the Aux Zone, illuminated steady if the Aux Zone is disabled.
- EXTERNE ALARM INPUT (REMOTE SOUND ALARMS)

Red LED: normally off, illuminating steady when the Remote Controls input registers a Sound Alarms.
- STORING EXTERNE INPUT (REMOTE CONTROL FAULT)

Yellow LED: normally off, pulsing for an open or short circuit fault on the Remote Controls input.
- SIGNAALGEVERS STORING/UIT (FIRE SOUNDER FAULT/DISABLED)

Yellow LED: normally off, pulsing for an open or short circuit on either of the general sounder circuits, illuminating steady when the general sounder circuits are disabled.

System Status (Common Status) Indications

- IN BEDRIJF (POWER SUPPLY ON)

Green LED: illuminated steady as long as there is a supply of power to the panel.
- ALGEMEEN STORING (GENERAL FAULT)

Yellow LED: normally OFF, pulsing for any fault on the panel.
- VOEDING STORING (POWER SUPPLY FAULT)

Yellow LED: normally OFF, pulsing if there is a mains or battery failure.
- SYSTEEM STORING (SYSTEM FAULT)

Yellow LED: normally OFF, steady if the microprocessor fails to execute the software correctly or an internal memory corruption is detected.



NOTICE: System Operation

The system is completely non-functional when in system fault. Alternative arrangements for fire detection must be made.

- AARD FOUT (EARTH FAULT)

Yellow LED: normally OFF, pulsing if there is a low impedance to earth on any of the field cables.
- ZEKERING DEFECT (FUSE FAILED)

Yellow LED: normally OFF, pulsing if either of the electronic fuses on the two auxiliary 24 V supply outputs activate due to excessive loading.
- DOORM. STORING; STORING/UIT (FAULT SIGNAL FAULT/DISABLED)

Yellow LED: normally off, pulsing for an open or short circuit fault on the Fault Signal output, illuminating steady if the Fault Signal output is disabled.
- SIGNAALGEVER TEST (SOUNDER TEST)

Yellow LED: normally off, illuminating steady when the three sounder circuits are in the TEST mode.

Status Blussing (Extinguishing) Status Indications

- AUTOMATISCH & HANDBEDIENING (AUTO & MANUAL)

Yellow LED: illuminated steady if the actuators can be operated both automatically (via a fire alarm on zones 1 & 2) and manually (via manual release).
- HANDBEDIENING (MANUAL ONLY)

Yellow LED: illuminated steady if the actuators can only be operated manually (via manual release), pulsing if an AUTO/MANUAL switch in the field is set to Manual

- **HANDACTIVERING (MANUAL RELEASE ACTIVE)**
Red LED: normally off, pulsing if manual release is activated, illuminating steady when the alarm is accepted (by operation of the **SIGNAAL GEVERS UIT** button when not inhibited).
- **SYSTEEM AKTIEF (SYSTEM ACTIVATED)**
Red LED: normally OFF, pulsing during the pre-activated condition, illuminating steady during the activated condition.
- **BLUSSING AKTIEF (GAS RELEASED)**
Red LED: normally OFF, illuminating steady when the extinguishing gas is released.
- **DOORMELDING BLUSSING (GAS RELEASED SIGNAL ACTIVE)**
Red LED: normally off, illuminating steady when the Gas Released output is active.
- **BLUSSING GEBLOKKEERD (EMERGENCY ABORT ACTIVE)**
Yellow LED: normally OFF, pulsing if a fault occurs on the Abort input while the Extinguishing System is not in the pre-activated or activated state, illuminating steady if the emergency Abort switch on a Status Lamp Unit is activated, or a fault occurs on the input during the pre-activated or activated state.
- **UITSTEL BLUSSING (EMERGENCY HOLD ACTIVE)**
Yellow LED: normally OFF, pulsing if the Hold button on a Status Lamp Unit is pressed when the pre-discharge delay timer is not running, illuminating steady if the Hold button is pressed or a fault occurs on the input while the pre-discharge delay timer is running.
- **BLUSSTURING STORING (CIRCUIT FAULT)**
Yellow LED: normally OFF, pulsing when any of the circuits related to the Extinguishing system has a fault.
- **LAGE DRUK GASCILLINDERS (GAS LOW)**
Yellow LED: normally OFF, pulsing when the quantity of extinguishing gas in the bottles is too low.
- **HOGE DRUK VERZAMELLEIDING (GAS TRAPPED IN MANIFOLD)**
Yellow LED: normally OFF, pulsing when the gas fails to exit from the manifold.
- **AFSLUITER ONJUIST (ISOLATION VALVE ABNORMAL)**
Yellow LED: normally OFF, pulsing when the Isolation valve is stuck between open & closed positions.
- **AFSLUITER DICHT (ISOLATION VALVE CLOSED)**
Yellow LED: normally OFF, pulsing when the Isolation Valve is fully closed.
- **HAND ACTIVERING; STORING/UIT (MANUAL RELEASE FAULT/DISABLED)**
Yellow LED: normally OFF, pulsing if the Manual Release zone input is in fault or the internal circuit to the door mounted Manual Release is in fault, illuminating steady when the Manual Release facility is disabled.
- **BLUSSING UIT (EXTINGUISHING DISABLED)**
Yellow LED: normally OFF, illuminating steady when the extinguishing gas release facility is disabled.
- **DOORM. BLUSSING; STORING/UIT (GAS RELEASED SIGNAL DISABLED)**
Yellow LED: normally OFF, illuminating steady when the Gas Released Signal output is disabled.
- **ALGEMENE STURINGEN UIT (SHUTDOWN OUTPUTS DISABLED)**
Yellow LED: normally OFF, illuminating steady when the 1st Stage, 2nd Stage & 3rd Stage shutdown outputs are disabled.
- **BLUSVERTRAGING (SECONDS TO DISCHARGE)**
Red 2-digit numeric display: normally off. When the pre-discharge timer is running, the remaining seconds left to discharge are shown.

Bediening (User Controls)

All buttons except for **TEST** (for Test Display) are disabled until the **BEDIENING** key-switch is rotated to the **AAN** position.

- **SIGNAAL GEVERS UIT (SILENCE ALARMS)**
Silences the general sounders and/or the extinguishing sounders (unless inhibited).
Yellow LED: normally OFF, pulsing when it is possible to silence any of the sounder circuits, illuminating steady when sounder circuits have been silenced.
- **SIGNAAL GEVERS AAN (RESOUND ALARMS)**
Causes previously silenced sounders to be resounded.
- **HERSTEL BRAND ALARM (FIRE RESET)**
Resets fault and fire indications on the Fire Alarm section of the panel. Faults common to the Fire section & the Extinguishing section are also reset.
- **HERSTEL BLUSSING (EXTINGUISHING RESET)**
When not inhibited, resets fault and active indications on the Extinguishing section of the panel. Faults common to the Fire section & the Extinguishing section are also reset.
Yellow LED: normally off, illuminating steady when the Extinguishing System Reset is inhibited.
- **ZOEMER UIT (SILENCE BUZZER)**
Silences the internal buzzer during any fault or alarm condition.

Yellow LED: normally off, illuminating steady when the buzzer has been silenced.

- **AUTO & HAND / ALLEEN HAND (AUTO & MANUAL / MANUAL ONLY)**
Toggles the panel status between `Automatic & Manual` and `Manual Only` modes.
- **SELECTEER AAN/UIT (SELECT ON/OFF)**
Toggles the Circuit Select Cursor ON and OFF.
- **INSCHAKELEN (ENABLE)**
Valid only while the Circuit Select Cursor is ON.
Restores the selected circuit to normal operation (cancels test & disabled states).
- **UITSCHAKELEN (DISABLE)**
Valid only while the Circuit Select Cursor is ON.
Disables the selected circuit.

- **TEST**

Circuit Select Cursor OFF: Operates the Test Display feature, sounding the internal buzzer and illuminating all the LEDs on the Display for five seconds.

Circuit Select Cursor ON: Places the selected circuit into test mode.

- **SELECT (SCROLL)**

Valid only while the Circuit Select Cursor is ON.
Moves the Circuit Select cursor through the available circuit LEDs.



NOTICE: Zone Operation

All zone disable/enable operations result in the zone power supply being disconnected for 10 seconds.

