

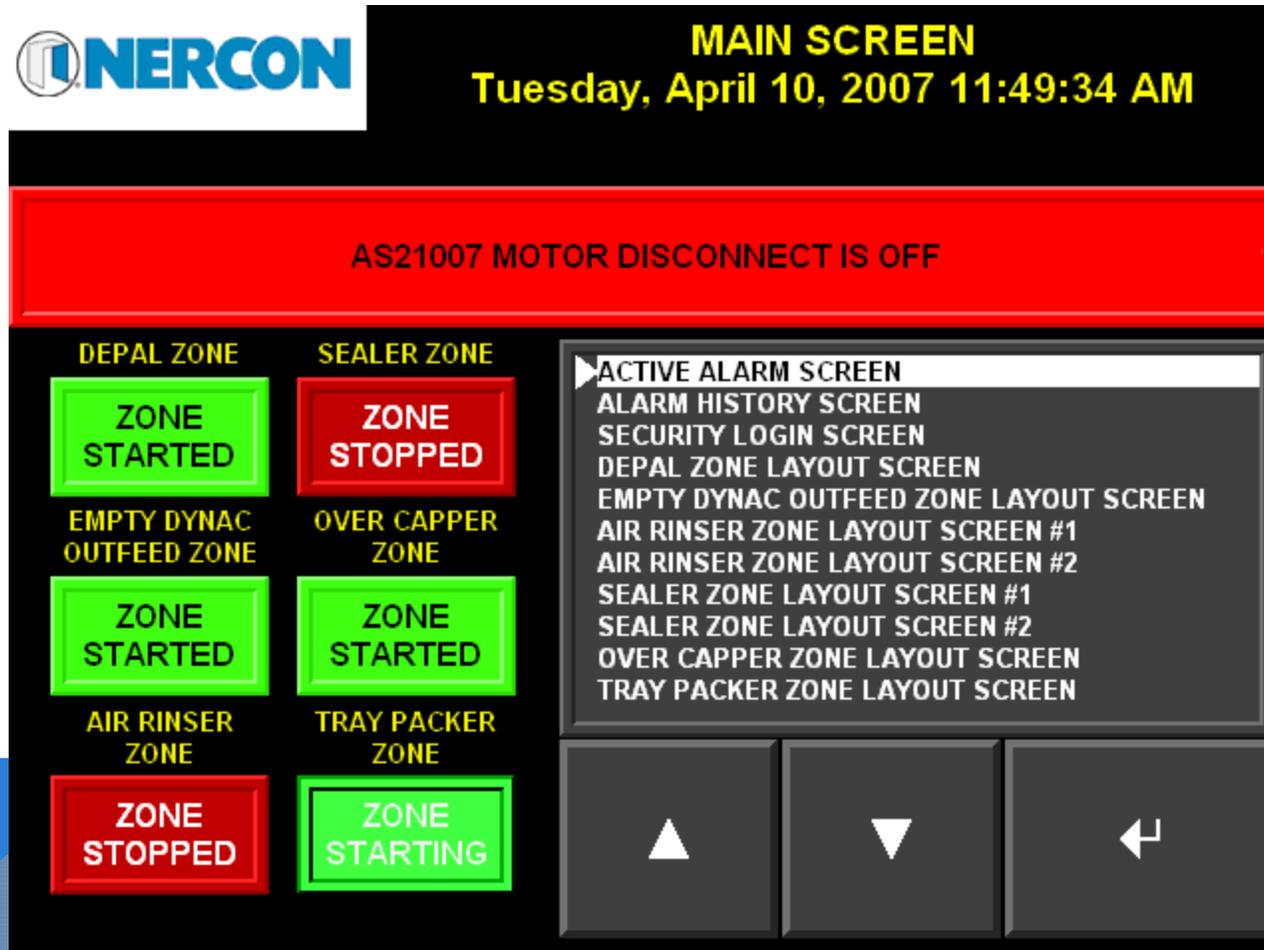


NERCON
ENG. & MFG., INC.

PANELVIEW PLUS BASIC APPLICATION

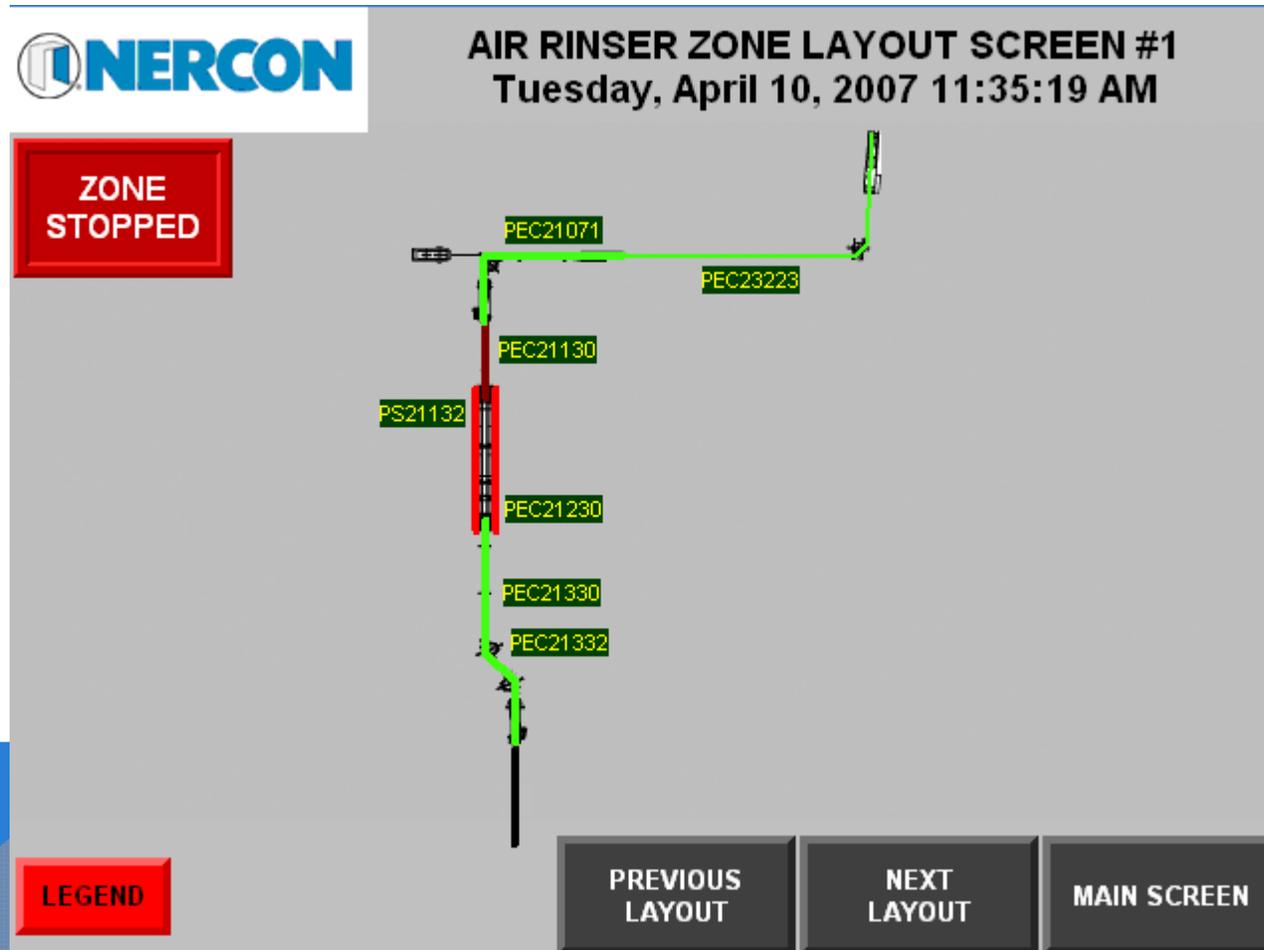
MAIN SCREEN

MAIN SCREEN IS THE FIRST SCREEN TO APPEAR ON POWER UP. THE MAIN SCREEN ALLOWS THE USER TO NAVIGATE TO ANY SCREEN IN THE PANELVIEW PLUS APPLICATION. IT ALSO GIVES A BRIEF SYSTEM OVERVIEW AND FAULT ANNUNCIATION.



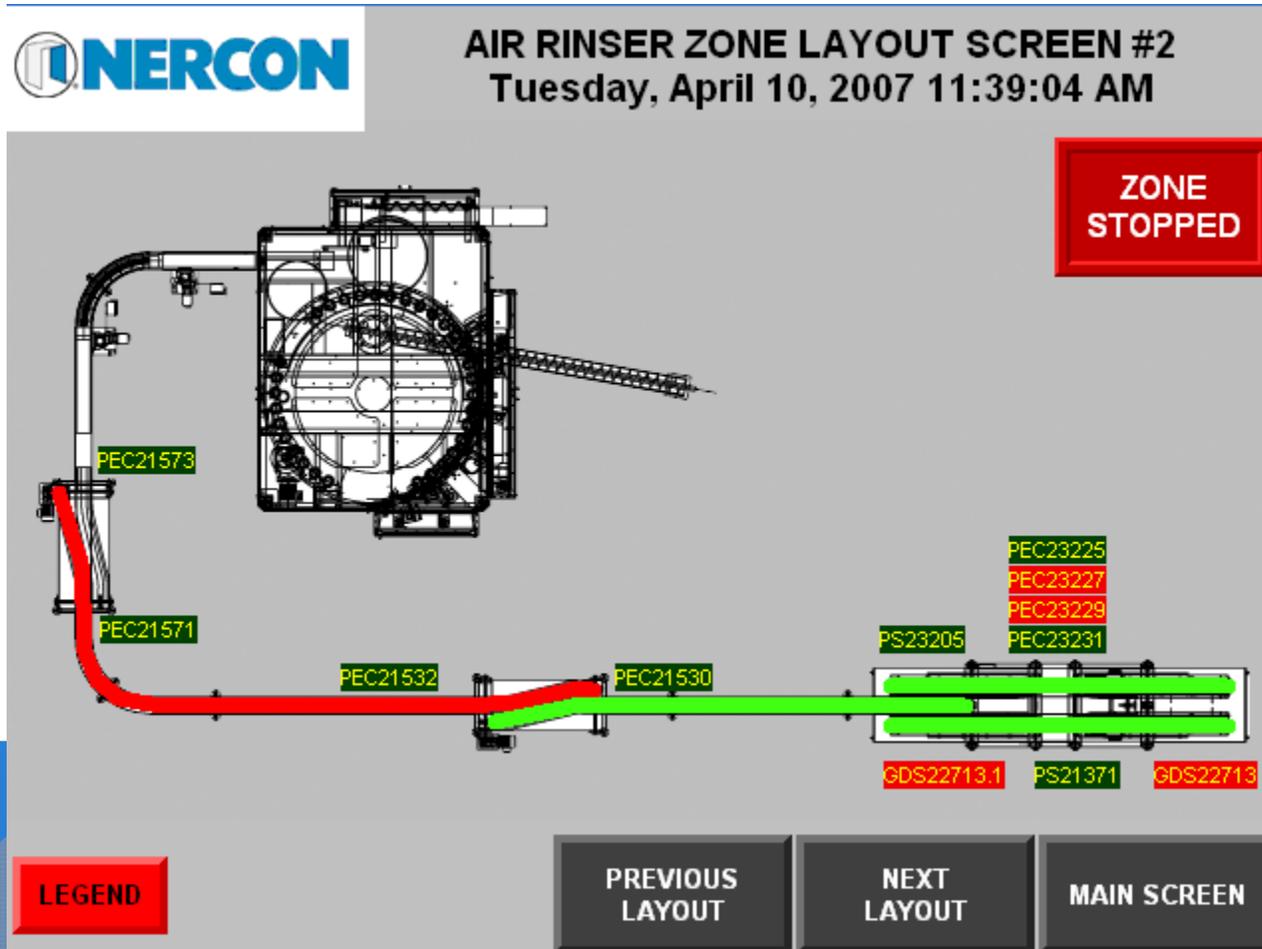
LAYOUT SCREEN

LAYOUT SCREEN DISPLAYS THE STATUS OF ALL FIELD DEVICES ALONG WITH MOTOR STATUS. THE MOTOR STATUS IS ANIMATED INTO THE INDIVIDUAL CONVEYOR SECTIONS IF THE SECTION IS GREEN IT MEANS THE CONVEYOR IS RUNNING. IF BLACK THEN THE CONVEYOR IS OFF. IF RED & FLASHING THE CONVEYOR SECTION IS FAULTED. INDIVIDUAL CONVEYOR SECTIONS CAN BE PRESSED AND A MORE DETAILED MOTOR STATUS WILL OPEN.



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INDIVIDUAL MOTOR STATUS SCREEN

INDIVIDUAL MOTOR STATUS SCREEN DISPLAYS THE STATUS & COMMAND FOR EACH VFD ALONG WITH THE ASSOCIATED FAULT CODE IF THE VFD WAS FAULTED. THE COMMANDED SPEED IN FEET PER MINUTE WILL ALSO BE DISPLAYED. OTHER OPTIONS FOR THIS SCREEN CAN BE INDIVIDUAL SPEED CONTROL & NODE STATUS. THIS SCREEN IS ONLY INCLUDED WITH VFD'S THAT ARE NETWORKED (I.E. DEVICENET, ETHERNET OR CONTROLNET).

ARMOR START
HOA STATUS
ENABLE DISABLE



AS21007 STATUS & COMMAND

COMMANDED SPEED 112 FPM

**CLOSE
SCREEN**

F81 Comm Loss-If adapter was not intentionally disconnected, check wiring to the port. Replace wiring, port expander, adapters or complete drive as required. Check connection. An adapter was intentionally disconnected. Turn off using A105

<u>ARMOR START STATUS</u>		<u>ARMOR START COMMAND</u>		<u>ARMOR START TRIP STATUS</u>	
<input type="checkbox"/> TRIPPED	<input checked="" type="checkbox"/> USER III 1 ON	<input checked="" type="checkbox"/> RUN FORWARD	<input checked="" type="checkbox"/> ACCEL 1	<input type="checkbox"/> 140M TRIP	<input type="checkbox"/> OVER CURRENT
<input type="checkbox"/> ALARM	<input checked="" type="checkbox"/> USER III 2 ON	<input checked="" type="checkbox"/> RUN REVERSE	<input checked="" type="checkbox"/> ACCEL 2	<input type="checkbox"/> OVERLOAD TRIP	<input type="checkbox"/> DIET FAULT
<input checked="" type="checkbox"/> RUNNING FORWARD	<input checked="" type="checkbox"/> USER III 3 ON	<input checked="" type="checkbox"/> FAULT RESET	<input checked="" type="checkbox"/> DECEL 1	<input type="checkbox"/> PHASE SHORT	<input type="checkbox"/> IIT COMM
<input checked="" type="checkbox"/> RUNNING REVERSE	<input checked="" type="checkbox"/> USER III 4 ON	<input checked="" type="checkbox"/> JOG FORWARD	<input checked="" type="checkbox"/> DECEL 2	<input type="checkbox"/> GND FAULT	<input type="checkbox"/> DC BUS
<input checked="" type="checkbox"/> READY	<input checked="" type="checkbox"/> HOA	<input checked="" type="checkbox"/> JOG REVERSE	<input checked="" type="checkbox"/> DRIVE III 1	<input type="checkbox"/> STALL	<input type="checkbox"/> EEPROM
<input checked="" type="checkbox"/> NET CTL STATUS	<input checked="" type="checkbox"/> 140M DISC. ON	<input checked="" type="checkbox"/> NOT USED	<input checked="" type="checkbox"/> DRIVE III 2	<input type="checkbox"/> CTRL POWER	<input type="checkbox"/> HW FAULT
<input checked="" type="checkbox"/> NET REF STATUS	<input checked="" type="checkbox"/> CONTACTOR 1	<input checked="" type="checkbox"/> USER OUT A	<input checked="" type="checkbox"/> DRIVE III 3	<input type="checkbox"/> IO FAULT	<input type="checkbox"/> RETRIES
<input checked="" type="checkbox"/> AT REFERENCE	<input checked="" type="checkbox"/> CONTACTOR 2	<input checked="" type="checkbox"/> USER OUT B	<input checked="" type="checkbox"/> DRIVE III 4	<input type="checkbox"/> OVER TEMP	<input type="checkbox"/> MISC. FAULT

54.3 HZ

65.4 HZ

LEGEND SCREEN

LEGEND SCREEN IS FOR REFERENCE ONLY. IT EXPLAINS THE DIFFERENT STATES BETWEEN ALL FIELD DEVICES, VFD'S/MOTORS & EMERGENCY STOP STATUS. THE LEGEND SCREEN POPS UP OVER THE OPEN SCREEN. A GO TO LEGEND SCREEN PUSHBUTTON IS LOCATED ON EVERY LAYOUT SCREEN.

The Legend Screen is a dark blue interface with the following sections:

- PEC/PS/GDS STATUS**
 - PEC#### CLEAR (Green bar)
 - PEC#### BLOCKED (Red bar)
 - PS#### ON (Green bar)
 - PS#### OFF (Red bar)
 - GDS#### GUARD DOOR SWITCH CLOSED (Green bar)
 - GDS#### GUARD DOOR SWITCH OPEN (Red bar)
- MOTOR**
 - STOPPED (Black bar)
 - RUNNING (Green bar)
 - FAULTED (Red bar)
- GLOBAL E-STOP STATUS**
 - E-STOP OK (Green circle)
 - E-STOP PRESSED (Black circle)
- ZONE STOP STATUS**
 - ZONE STOP OK (Green circle)
 - ZONE STOP PRESSED (Black circle)

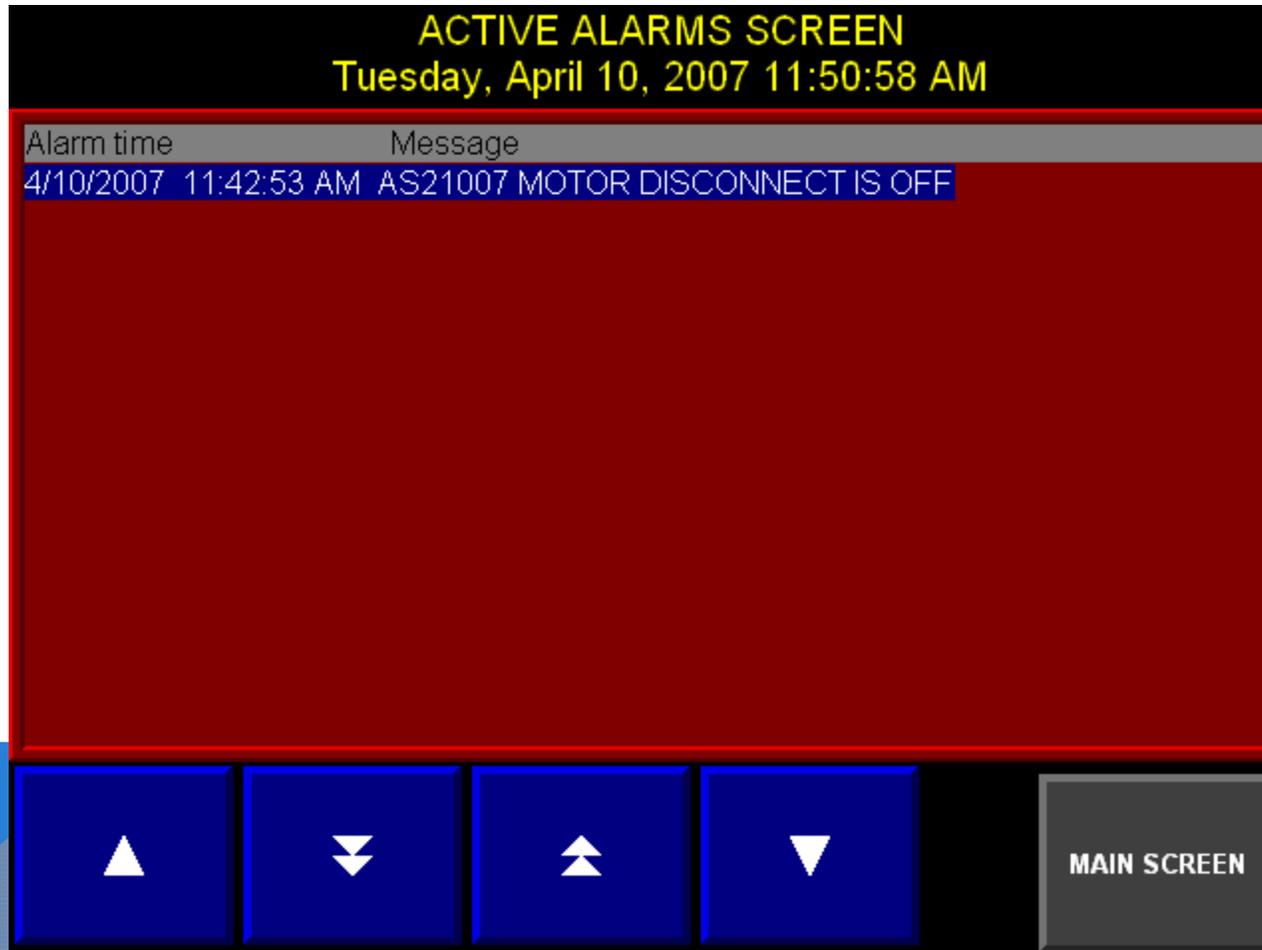
Navigation and Control Elements:

- CLOSE** button (White)
- LEGEND** button (Red)
- PREVIOUS LAYOUT** button (Dark Grey)
- NEXT LAYOUT** button (Dark Grey)
- MAIN SCREEN** button (Dark Grey)

The background shows a partial view of a layout with a green line representing a path and labels: PEC21230, PEC21330, and PEC21332.

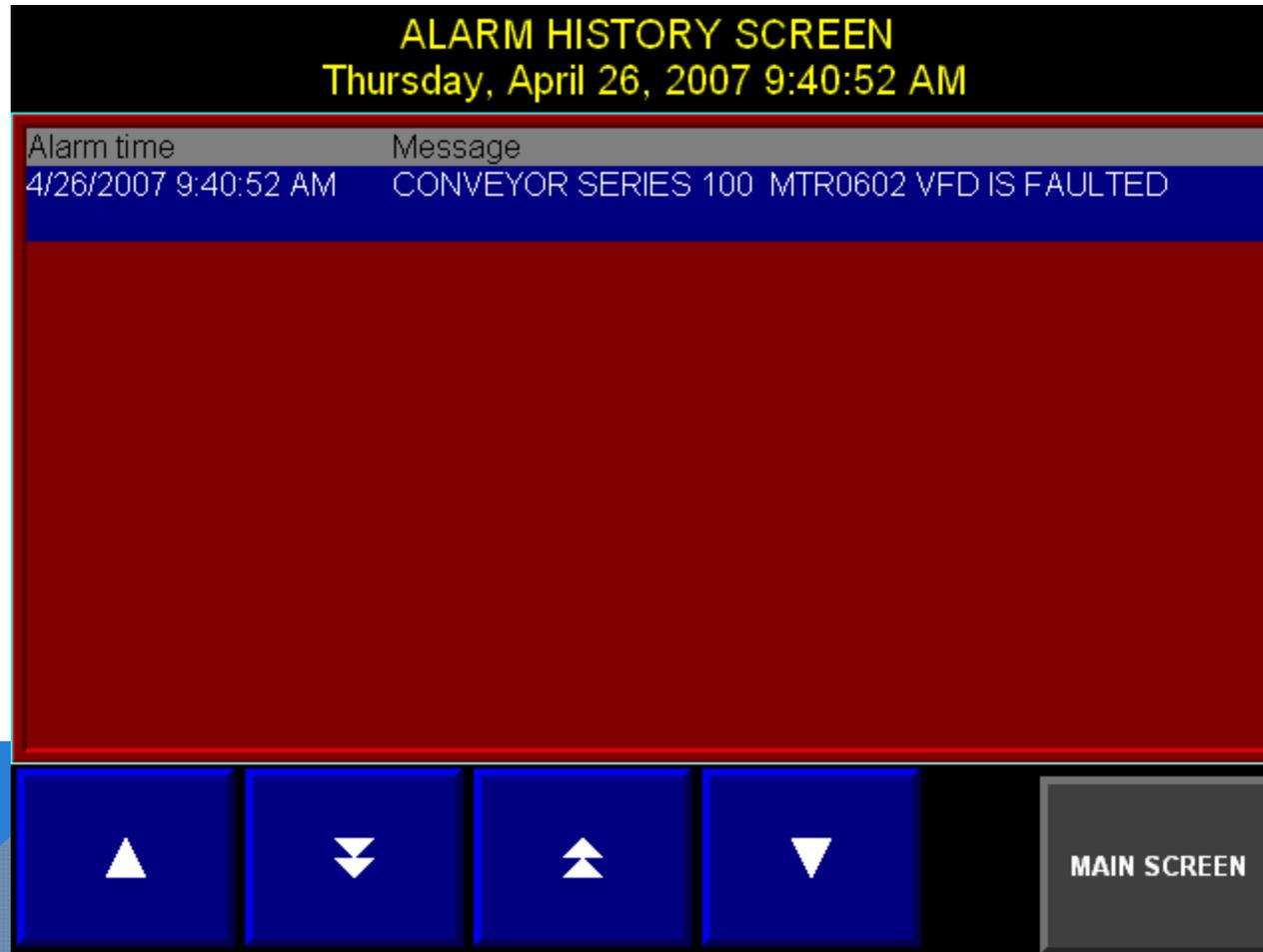
ACTIVE ALARM SCREEN

ACTIVE ALARM SCREEN DISPLAYS ALL ACTIVE ALARMS. WHEN THE ALARM(S) ARE CLEARED THE ALARM TEXT WILL ALSO CLEAR.



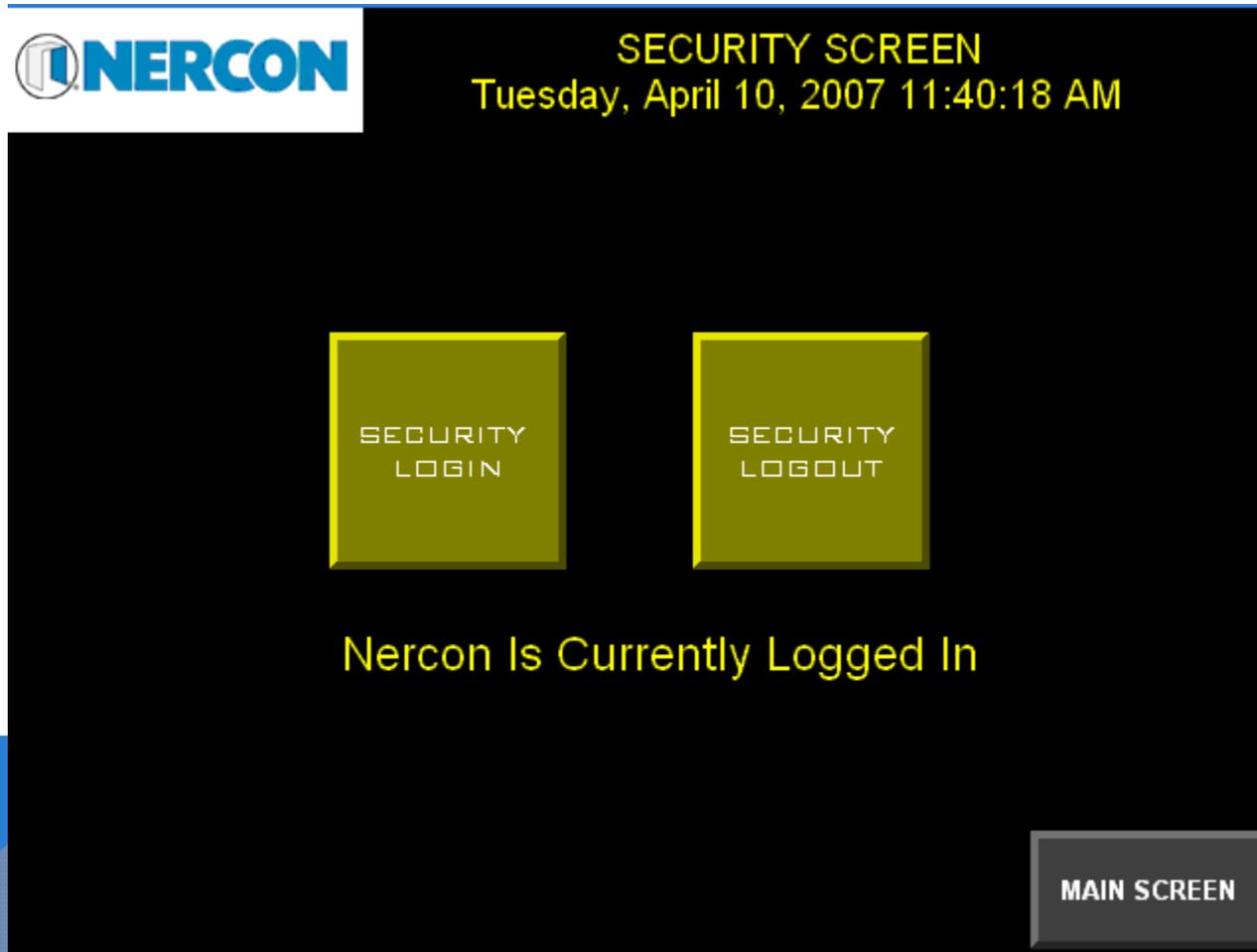
ALARM HISTORY SCREEN

ALARM HISTORY SCREEN DISPLAYS ALL FAULTS THAT HAVE BEEN CLEARED. THE ALARM HISTORY SCREEN CAN HOLD UP TO 10,000 ALARMS IN ITS ALARM HISTORY. THE ALARM HISTORY CAN BE CLEARED BY PRESSING THE INVISIBLE CLEAR ALARM HISTORY PUSHBUTTON IN THE UPPER LEFT HAND CORNER OF THE SCREEN



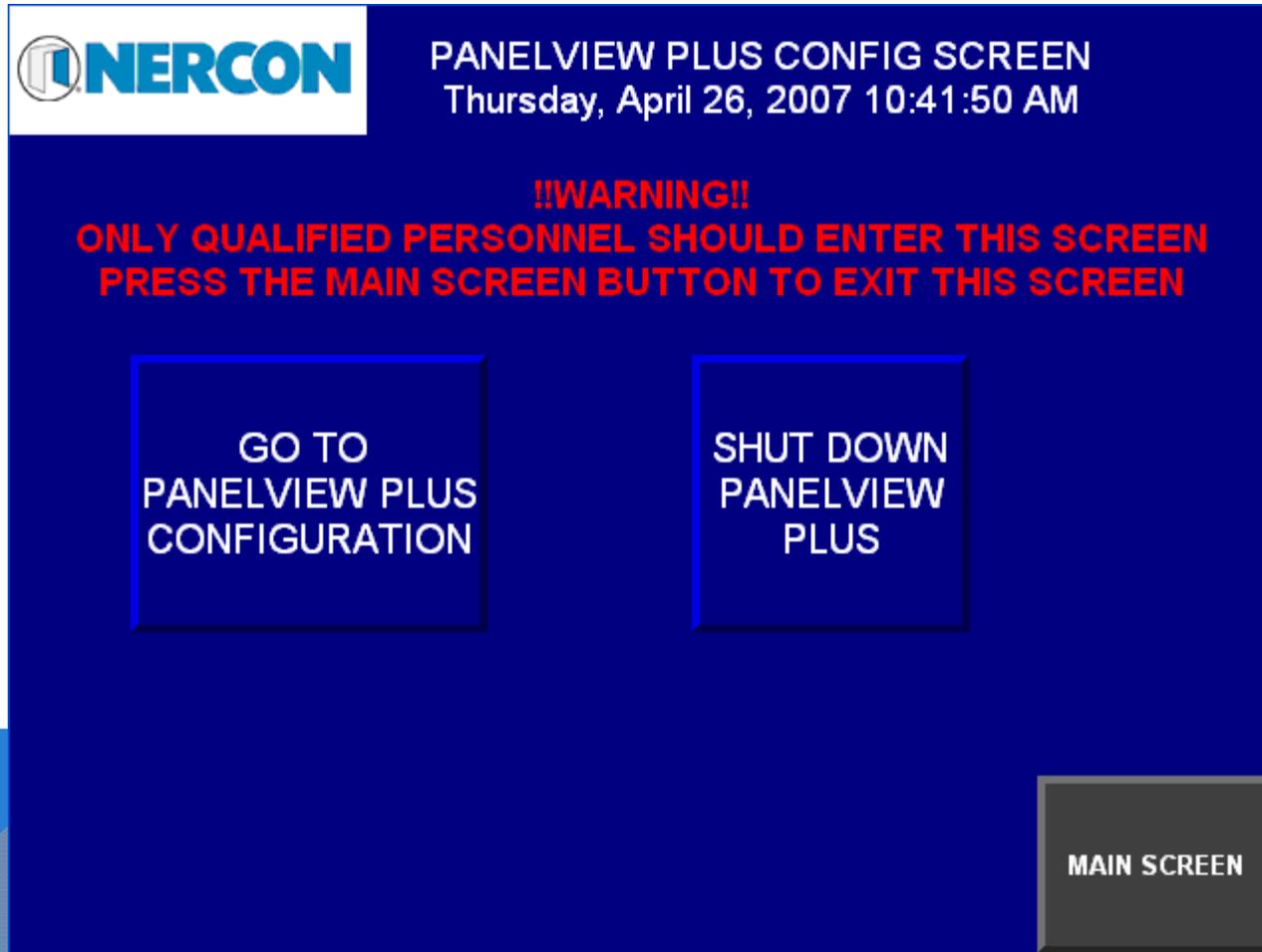
SECURITY SCREEN

SECURITY SCREEN ALLOWS AUTHORIZED USERS TO LOG INTO SECURITY. THE CORRECT USER NAME & PASSWORD MUST BE ENTERED TO ALLOW ACCESS TO PASSWORD PROTECTED SCREENS. WHEN THE CORRECT USER NAME & PASSWORD IS ENTERED THE CURRENT LOGGED IN USER WILL BE DISPLAYED



PANELVIEW PLUS CONFIGURATION SCREEN

PANELVIEW PLUS CONFIGURATION SCREEN WILL ALLOW THE USER TO SHUTDOWN THE PANELVIEW PLUS APPLICATION AND ACCESS THE PANELVIEW PLUS TERMINAL CONFIGURATION.



SERVO STATUS SCREEN

SERVO STATUS SCREEN DISPLAYS ALL STATUS & FAULTS ASSOCIATED WITH A SPECIFIC SERVO AXIS.

SWEEP 1 SERVO STATUS
Tuesday, August 07, 2007 10:29:41 AM

Drive Faults

<input type="checkbox"/> Pos Soft Overtravel Fault	<input type="checkbox"/> Drive Overtemp Fault
<input type="checkbox"/> Neg Soft Overtravel Fault	<input type="checkbox"/> Motor Overtemp Fault
<input type="checkbox"/> Pos Hard Overtravel Fault	<input type="checkbox"/> Drive Cooling Fault
<input type="checkbox"/> Neg Hard Overtravel Fault	<input type="checkbox"/> Drive Control Voltage Fault
<input type="checkbox"/> Motor Feedback Fault	<input type="checkbox"/> Drive Hard Fault
<input type="checkbox"/> Motor Feedback Noise Fault	<input type="checkbox"/> Commutation Fault
<input type="checkbox"/> Aux Feedback Fault	<input type="checkbox"/> Drive Overcurrent Fault
<input type="checkbox"/> Aux Feedback Noise Fault	<input type="checkbox"/> Drive Overvoltage Fault
<input type="checkbox"/> Feedback Fault	<input type="checkbox"/> Drive Undervoltage Fault
<input type="checkbox"/> Drive Enable Input Fault	<input type="checkbox"/> Power Phase Loss Fault
<input type="checkbox"/> Ground Short Fault	<input type="checkbox"/> Position Error Fault
<input type="checkbox"/> Overspeed Fault	<input type="checkbox"/> Common Bus Fault
<input type="checkbox"/> Overload Fault	<input type="checkbox"/> Pre-Charge Overload Fault
	<input type="checkbox"/> SERCOS Ring Fault

SERVO DRIVE FAULTS **SERVO MOTION STATUS** **SERVO DRIVE STATUS** **SERVO AXIS STATUS** **SERVO MODULE FAULT** **RETURN TO PREVIOUS SCREEN**