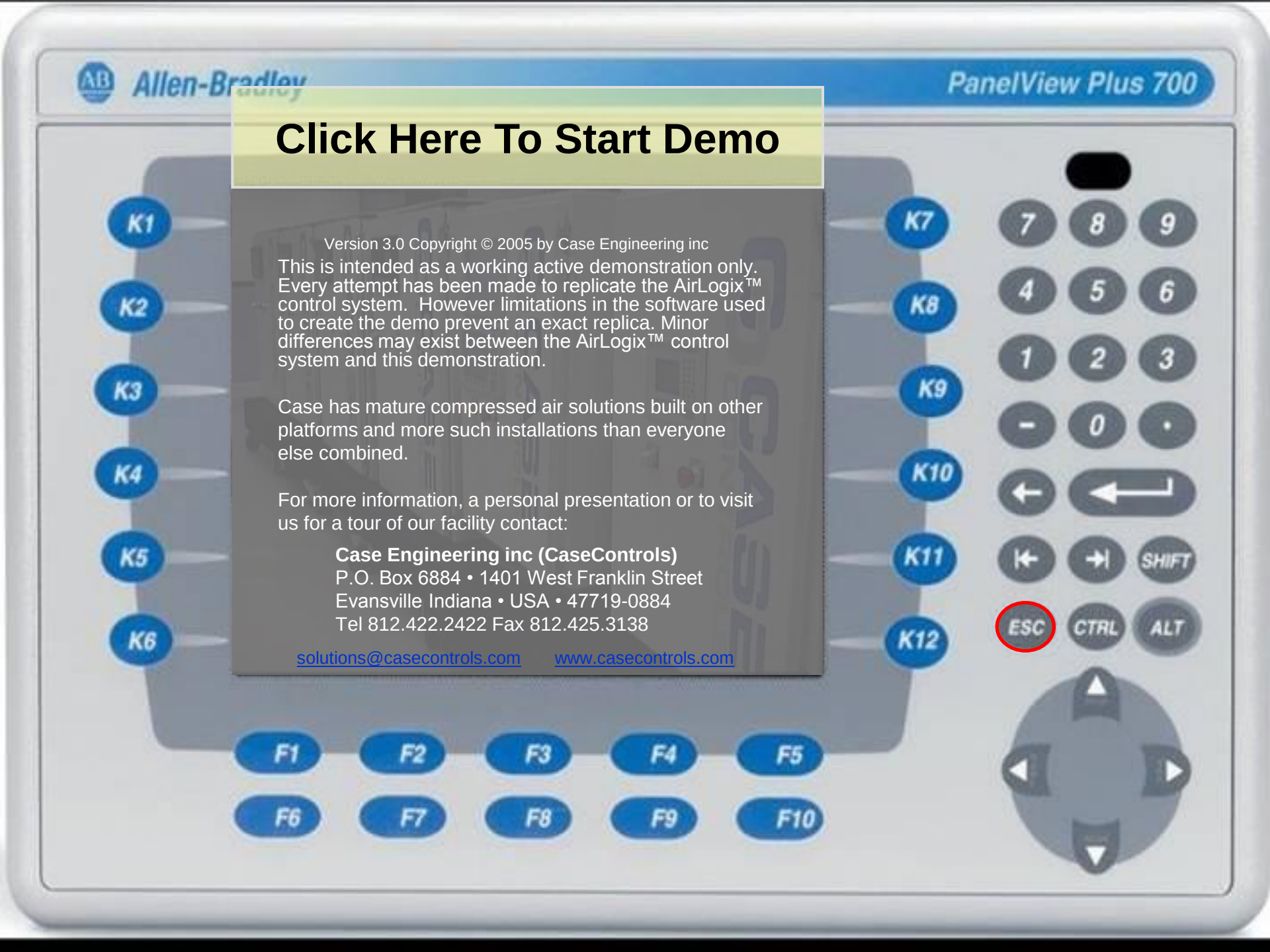


Click Here To Start Demo

This is intended as a working active demonstration only. Every attempt has been made to replicate the AirLogix™ control system. However limitations in the software used to create the demo prevent an exact replica. Minor differences may exist between the AirLogix™ control system and this demonstration.

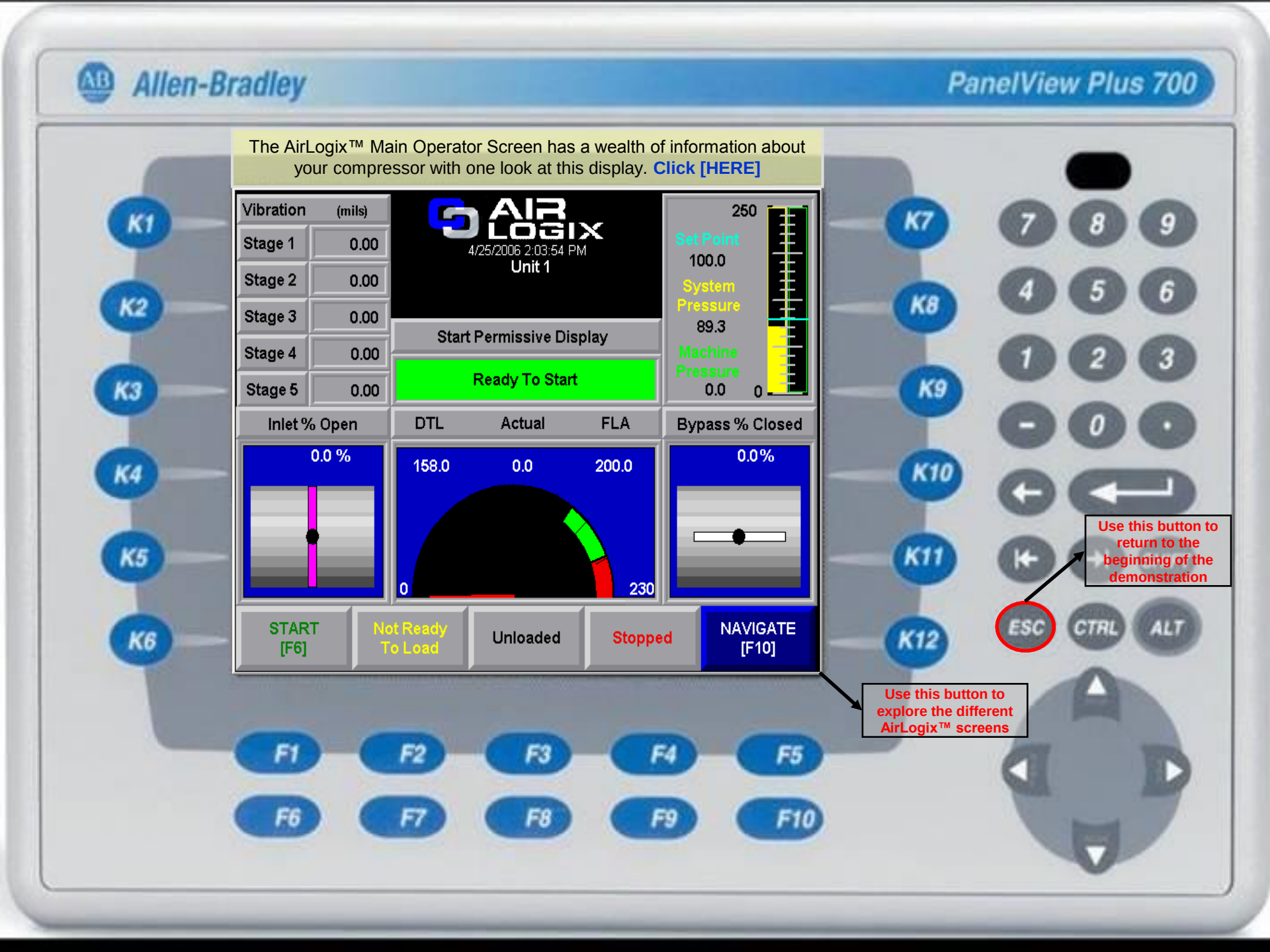
Case has mature compressed air solutions built on other platforms and more such installations than everyone else combined.

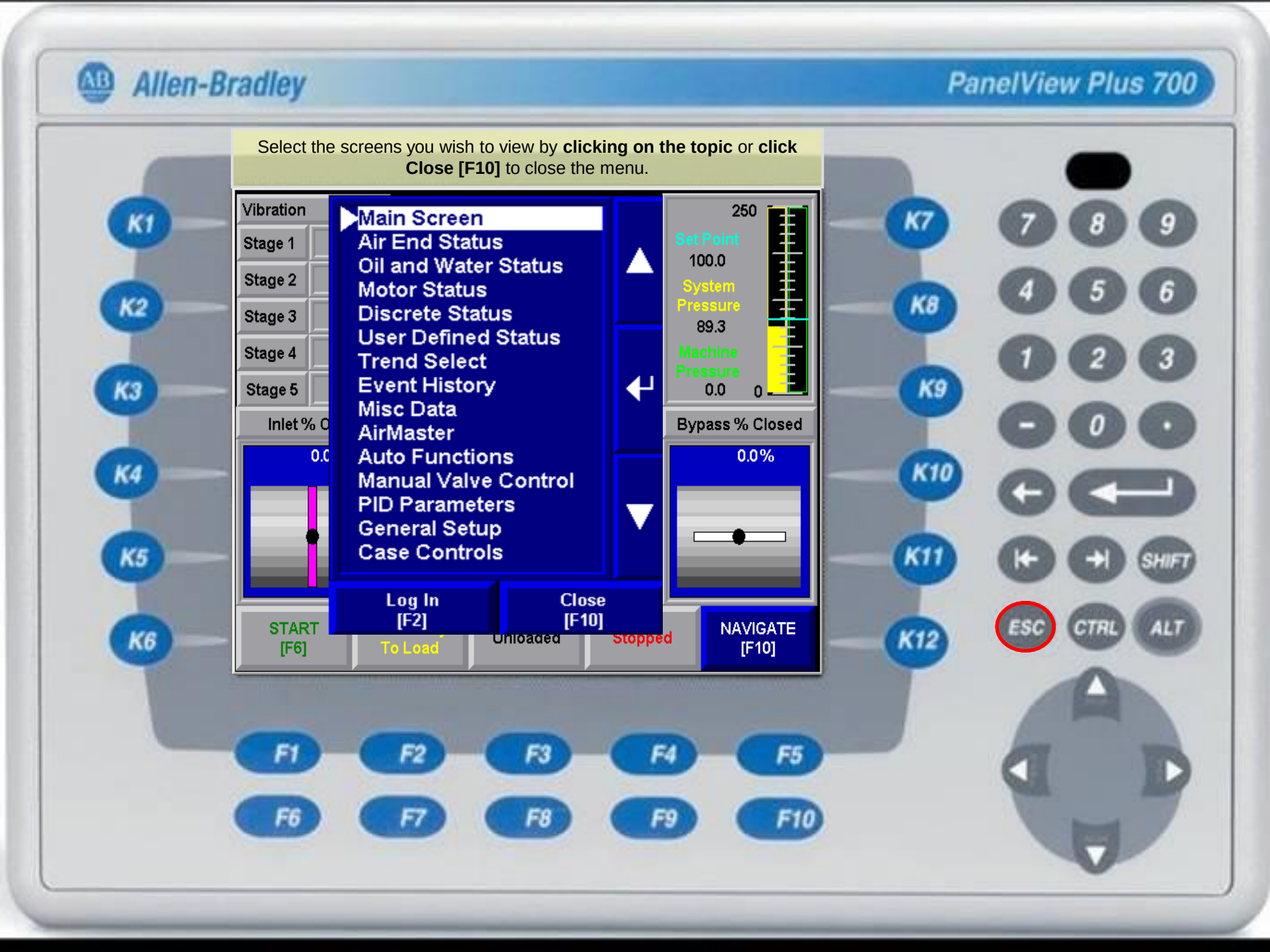
For more information, a personal presentation or to visit us for a tour of our facility contact:

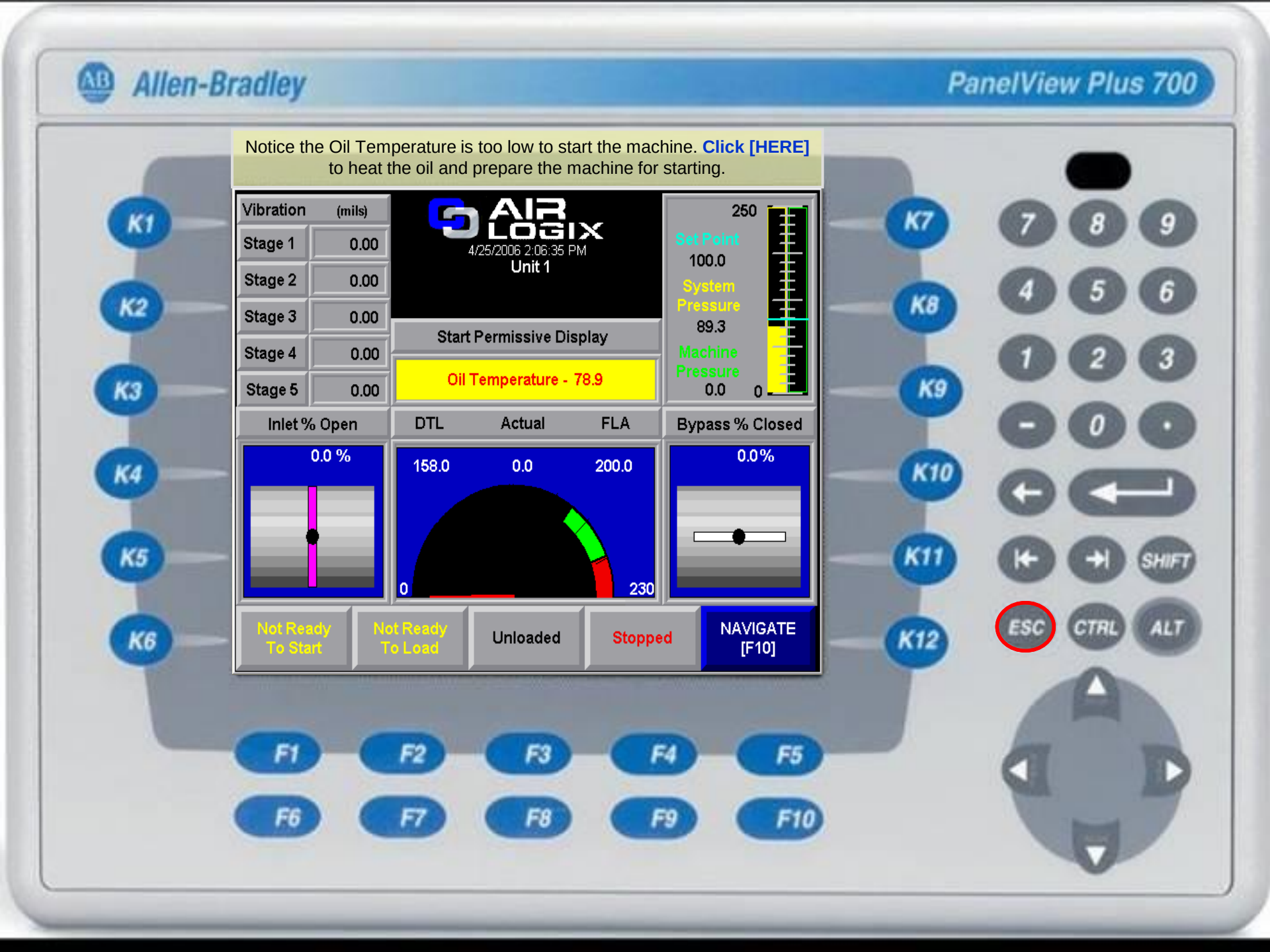
Case Engineering inc (CaseControls)
P.O. Box 6884 • 1401 West Franklin Street
Evansville Indiana • USA • 47719-0884
Tel 812.422.2422 Fax 812.425.3138

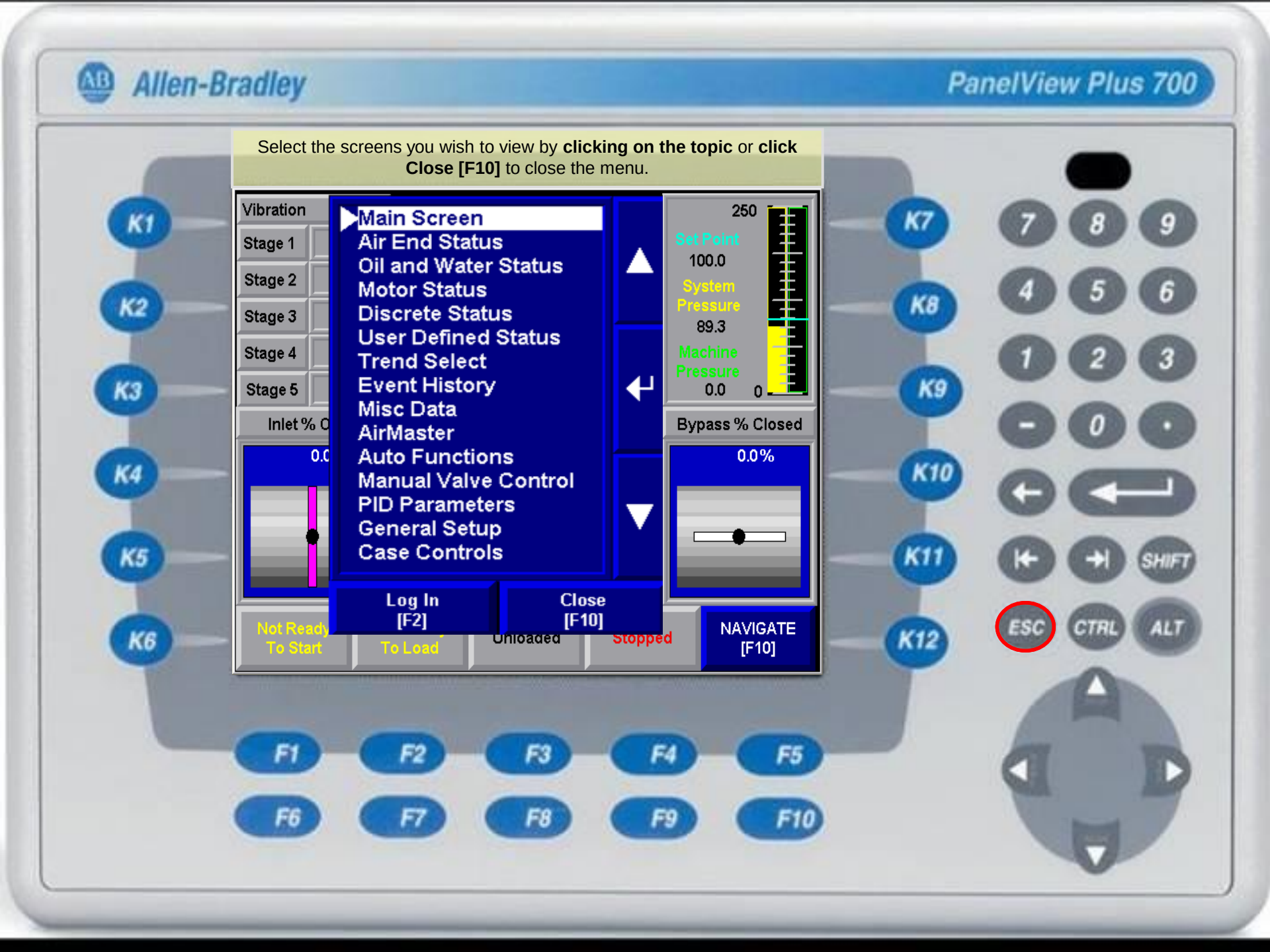
solutions@casecontrols.com www.casecontrols.com

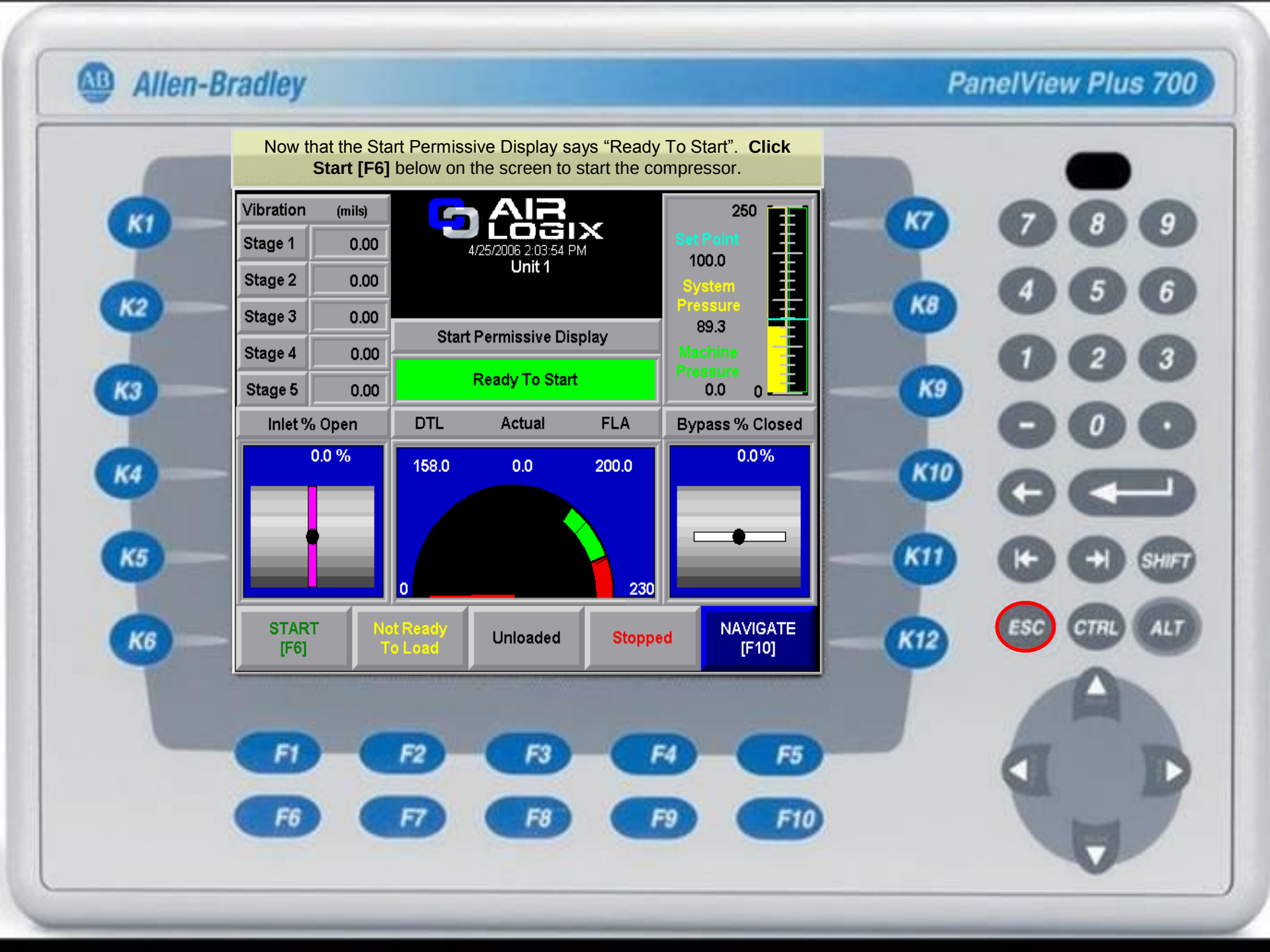

Allen-Bradley
PanelView Plus 700
This screen shows the version number of your controller, Case contact information and control panel temperature. It also provides access to the main screen and the PanelView Plus setup menu.
CASE CONTROLS
AIR LOGIX
Version 3.0.0
Developed By:
Case Engineering
1401 W. Franklin St
Evansville, IN 47710
Phone: (800) 294-7856
Control Panel Temperature 94.2
Main [F2]
GoTo Config [F5]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT

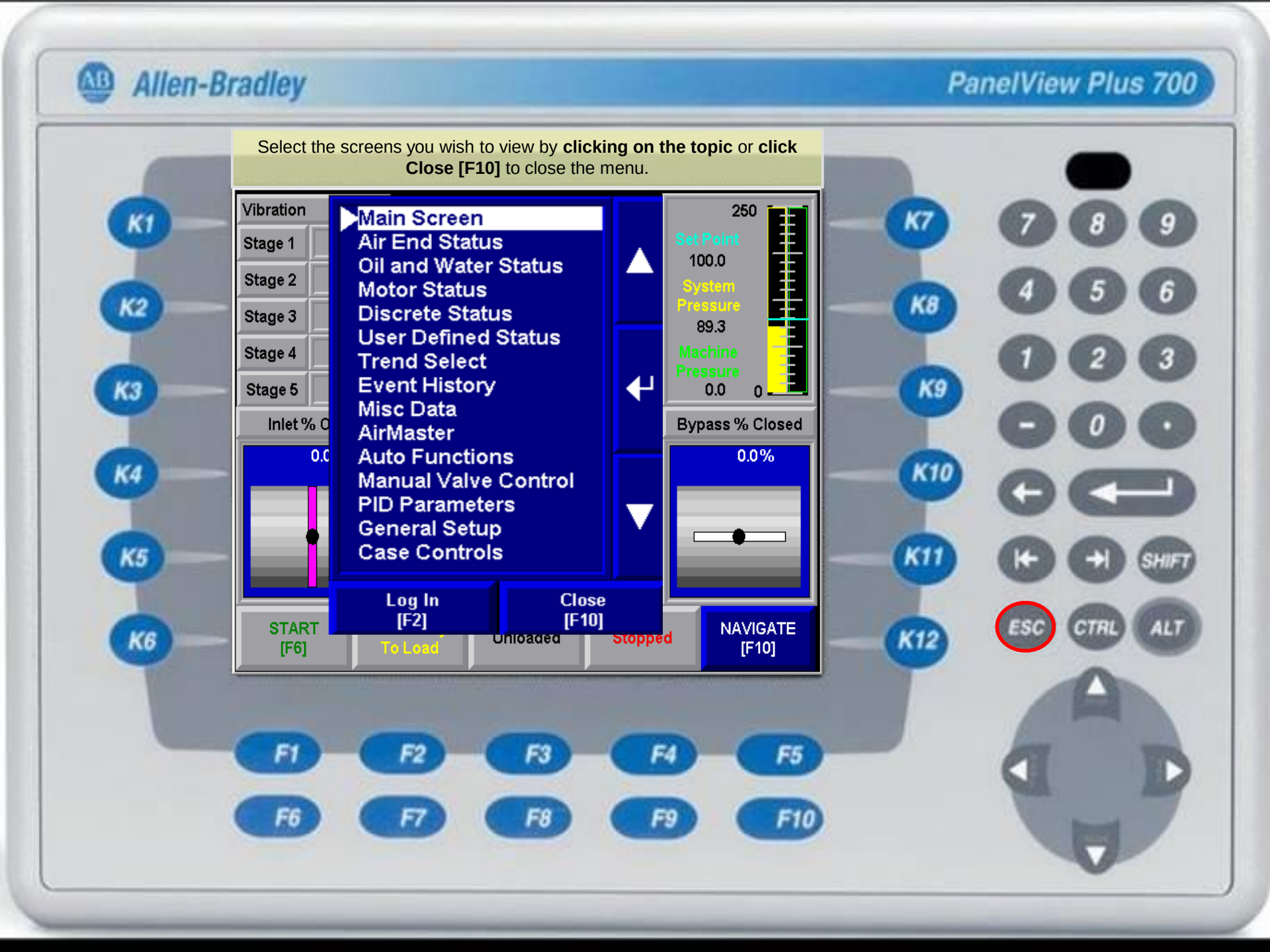

Allen-Bradley
PanelView Plus 700
The AirLogix™ Main Operator Screen has a wealth of information about your compressor with one look at this display. Click [HERE]
Vibration (mils)
Stage 1 0.00
Stage 2 0.00
Stage 3 0.00
Stage 4 0.00
Stage 5 0.00
AIR LOGIX
4/25/2006 2:03:54 PM
Unit 1
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
0.0
0
Start Permissive Display
Ready To Start
Inlet % Open
0.0 %
DTL
158.0
0.0
200.0
0
230
Actual
FLA
Bypass % Closed
0.0 %
START [F6]
Not Ready To Load
Unloaded
Stopped
NAVIGATE [F10]
Use this button to explore the different AirLogix™ screens
Use this button to return to the beginning of the demonstration
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
ESC
CTRL
ALT

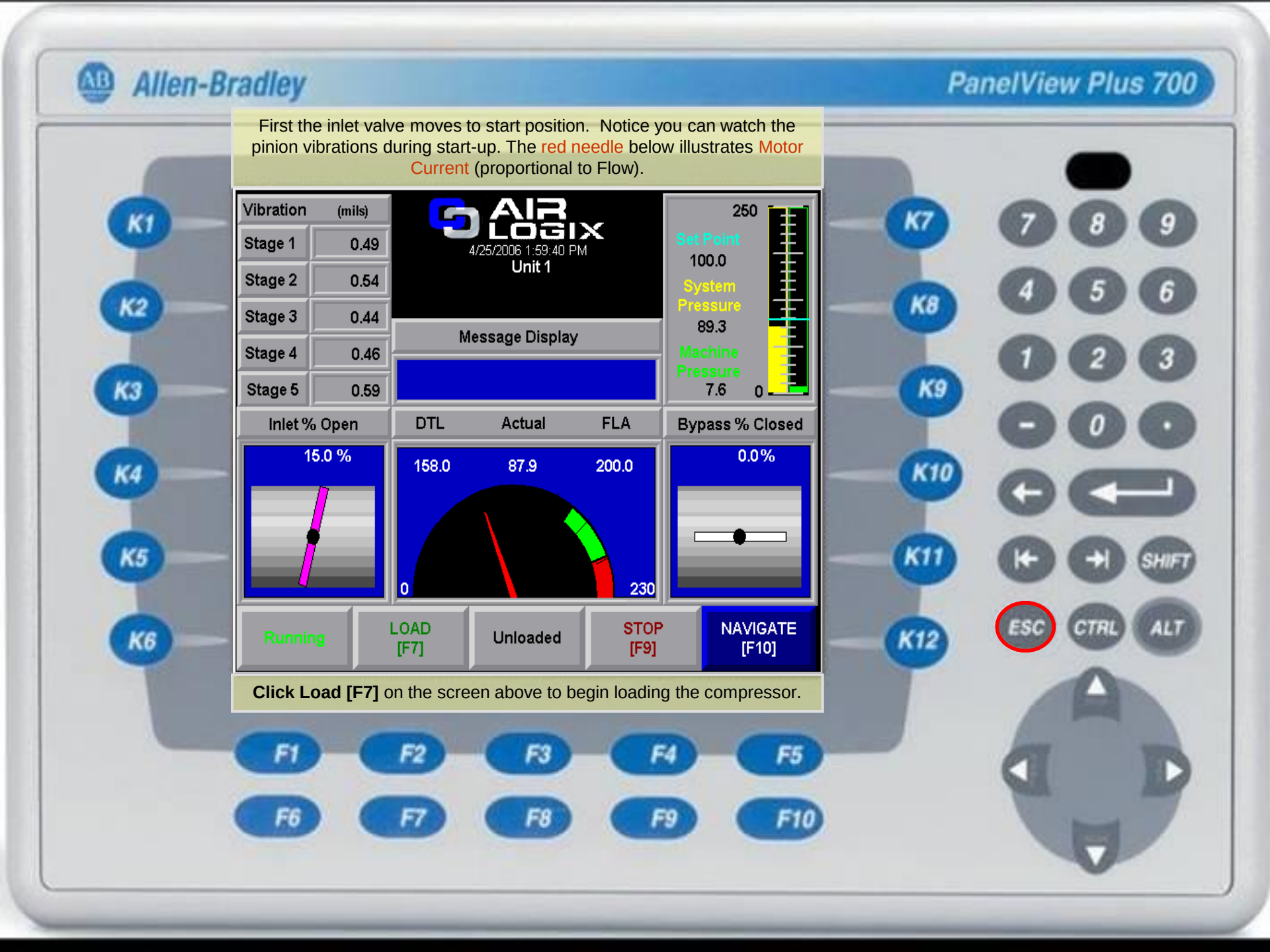

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Vibration
Stage 1
Stage 2
Stage 3
Stage 4
Stage 5
Inlet % C
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
0.0
0
Bypass % Closed
0.0%
Log In [F2]
Close [F10]
START [F6]
To Load
Unloaded
Stopped
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
Notice the Oil Temperature is too low to start the machine. Click [HERE] to heat the oil and prepare the machine for starting.
Vibration (mils)
Stage 1 0.00
Stage 2 0.00
Stage 3 0.00
Stage 4 0.00
Stage 5 0.00
AIR LOGIX
4/25/2006 2:06:35 PM
Unit 1
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
0.0
0
Start Permissive Display
Oil Temperature - 78.9
Inlet % Open
0.0 %
DTL
Actual
FLA
158.0
0.0
200.0
0
230
Bypass % Closed
0.0 %
Not Ready To Start
Not Ready To Load
Unloaded
Stopped
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10

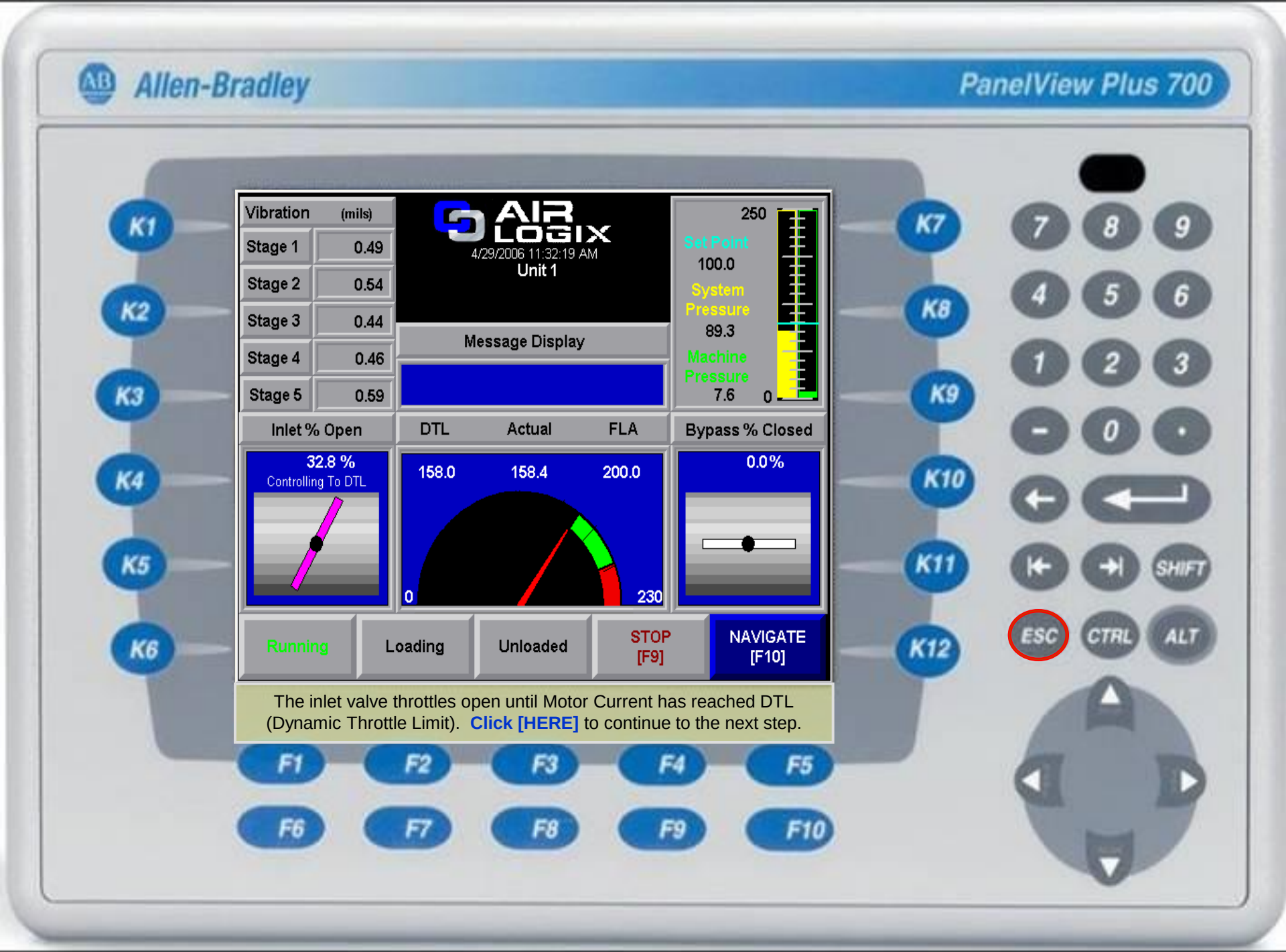

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Vibration
Stage 1
Stage 2
Stage 3
Stage 4
Stage 5
Inlet % C
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
0.0
0
Bypass % Closed
0.0%
Log In [F2]
Close [F10]
Not Ready To Start
To Load
Unloaded
Stopped
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
Now that the Start Permissive Display says “Ready To Start”. Click Start [F6] below on the screen to start the compressor.
Vibration (mils)
Stage 1 0.00
Stage 2 0.00
Stage 3 0.00
Stage 4 0.00
Stage 5 0.00
AIR LOGIX
4/25/2006 2:03:54 PM
Unit 1
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
0.0
0
Start Permissive Display
Ready To Start
Inlet % Open
0.0 %
DTL
Actual
FLA
158.0
0.0
200.0
0
230
Bypass % Closed
0.0 %
START [F6]
Not Ready To Load
Unloaded
Stopped
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Vibration
Stage 1
Stage 2
Stage 3
Stage 4
Stage 5
Inlet % C
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
0.0
0
Bypass % Closed
0.0%
Log In [F2]
Close [F10]
START [F6]
To Load
Unloaded
Stopped
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT

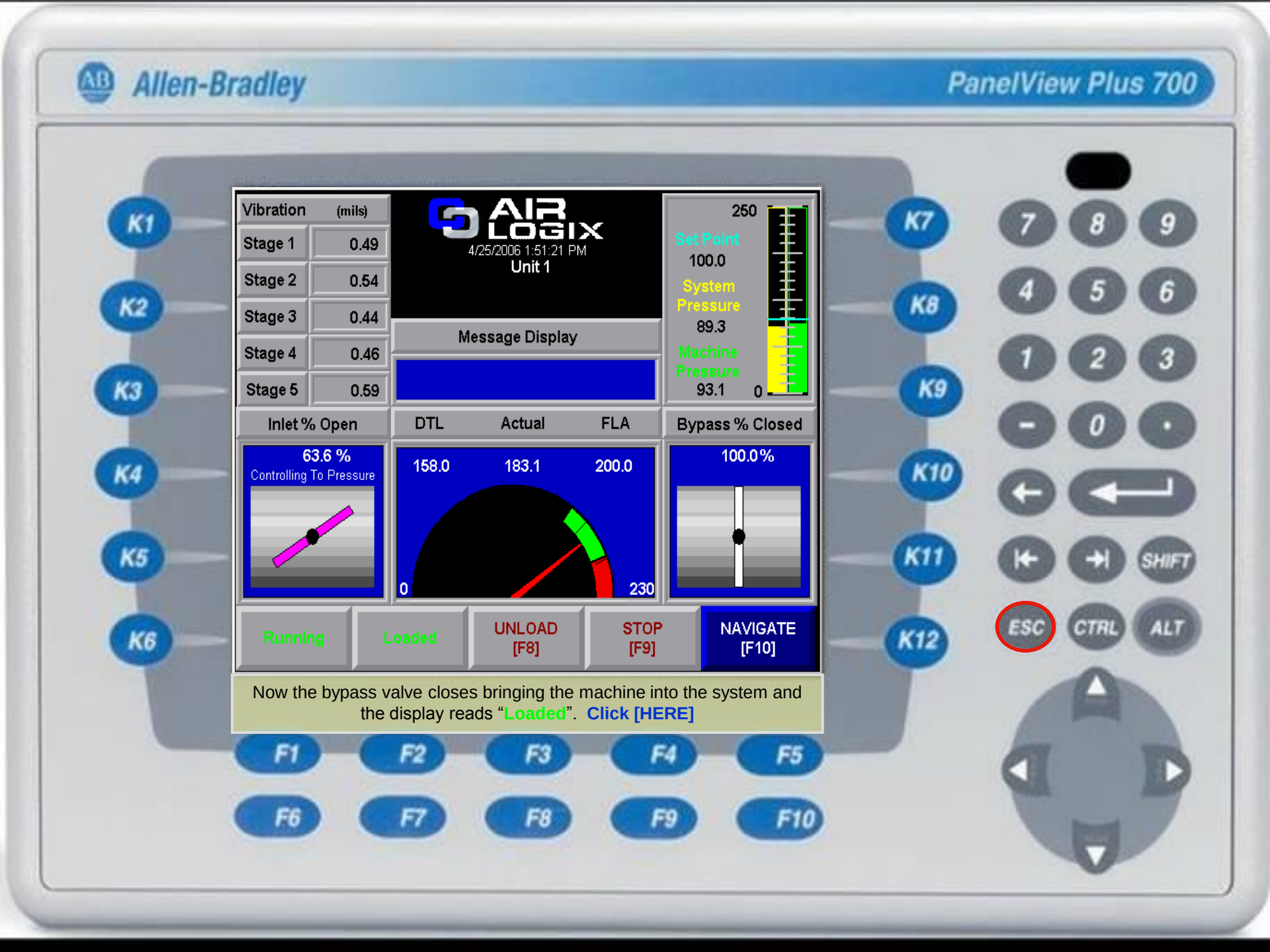

Allen-Bradley
PanelView Plus 700
First the inlet valve moves to start position. Notice you can watch the pinion vibrations during start-up. The red needle below illustrates Motor Current (proportional to Flow).
Vibration (mils)
Stage 1 0.49
Stage 2 0.54
Stage 3 0.44
Stage 4 0.46
Stage 5 0.59
AIR LOGIX
4/25/2006 1:59:40 PM
Unit 1
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
7.6
0
Message Display
Inlet % Open
15.0 %
DTL
Actual
FLA
158.0
87.9
200.0
0
230
Bypass % Closed
0.0%
Running
LOAD [F7]
Unloaded
STOP [F9]
NAVIGATE [F10]
Click Load [F7] on the screen above to begin loading the compressor.
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT

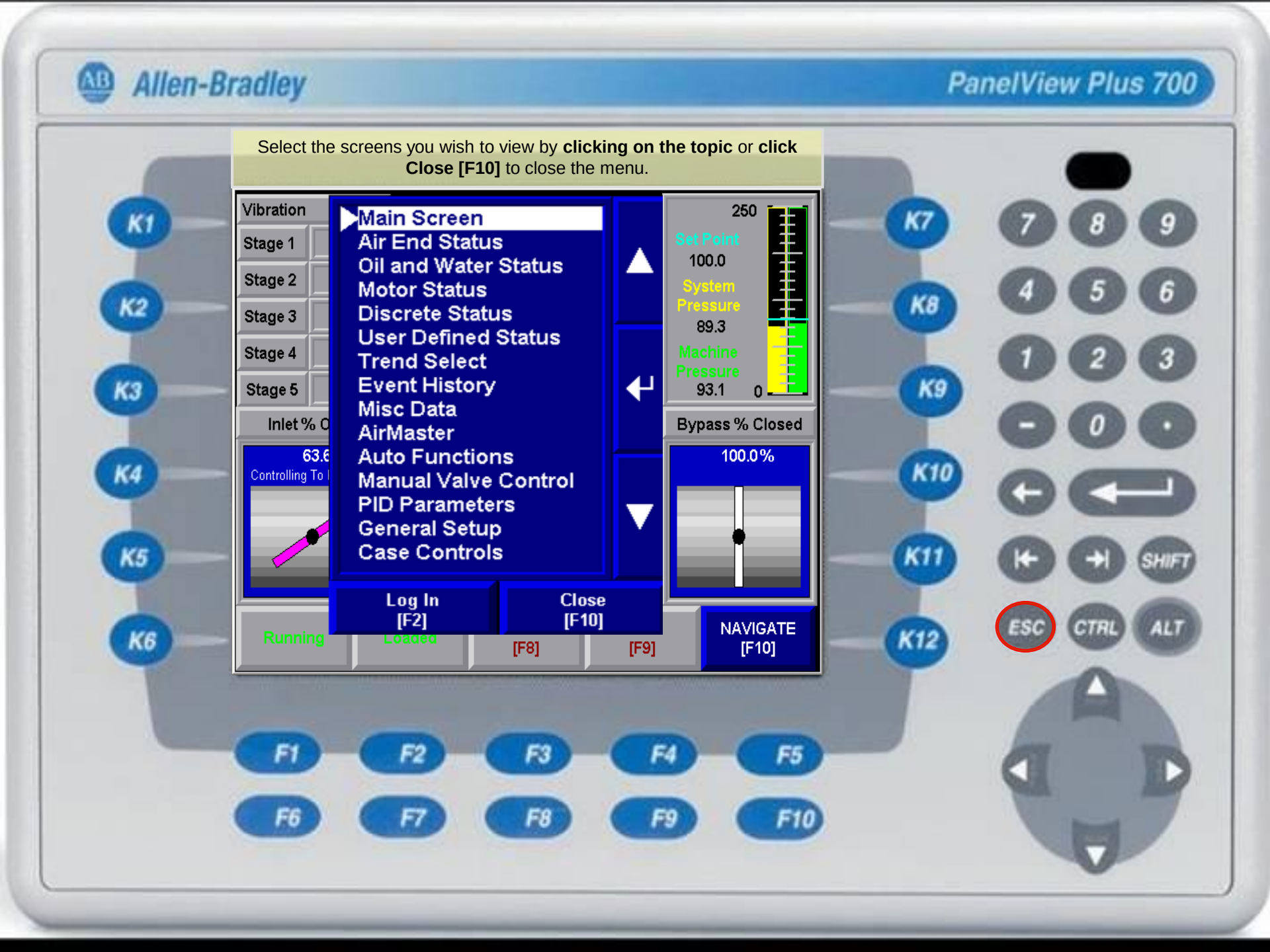

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Vibration
Stage 1
Stage 2
Stage 3
Stage 4
Stage 5
Inlet % C
15.0
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
7.6
0
Bypass % Closed
0.0%
Running
[F7]
Unloaded
[F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT

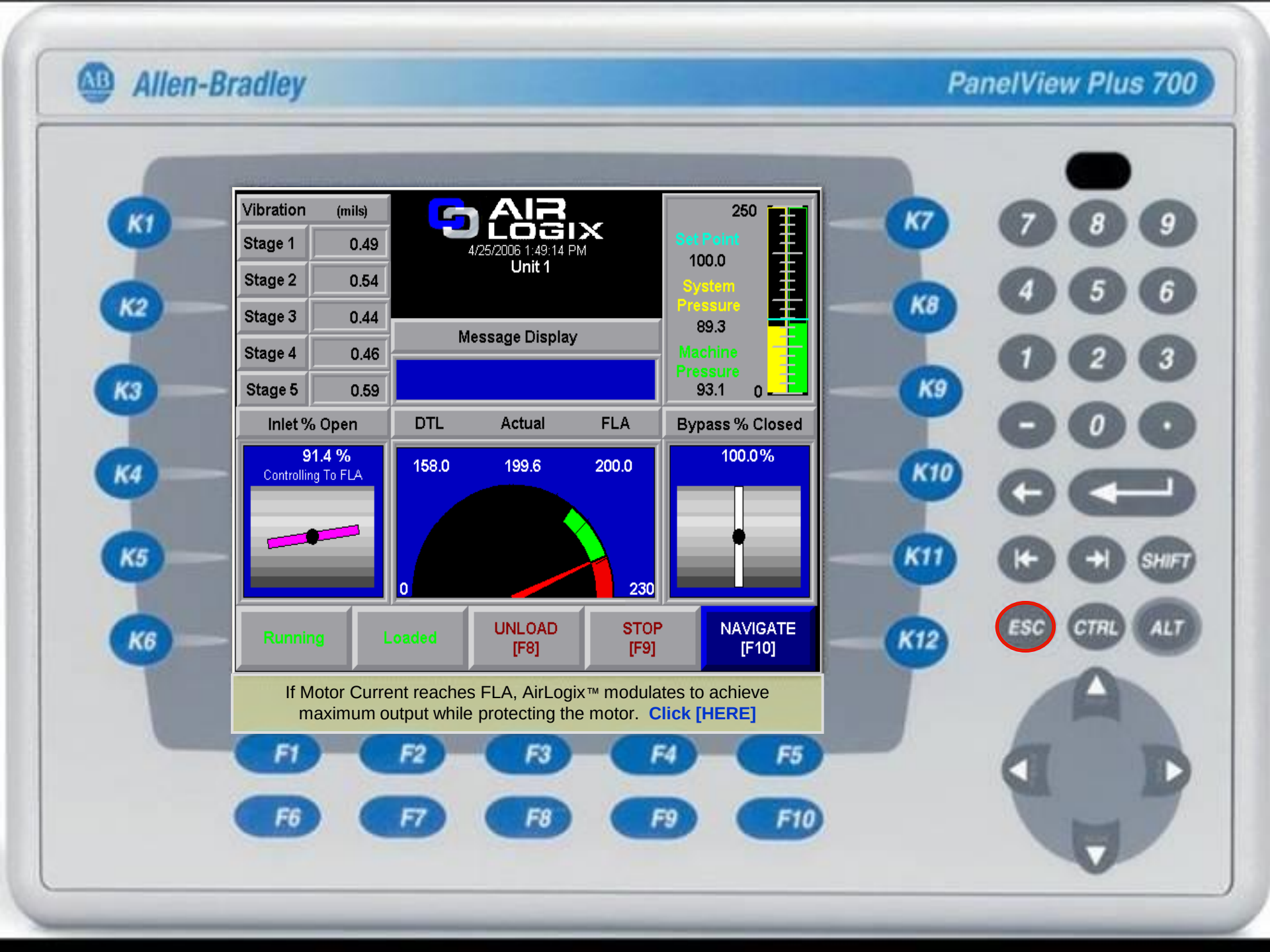


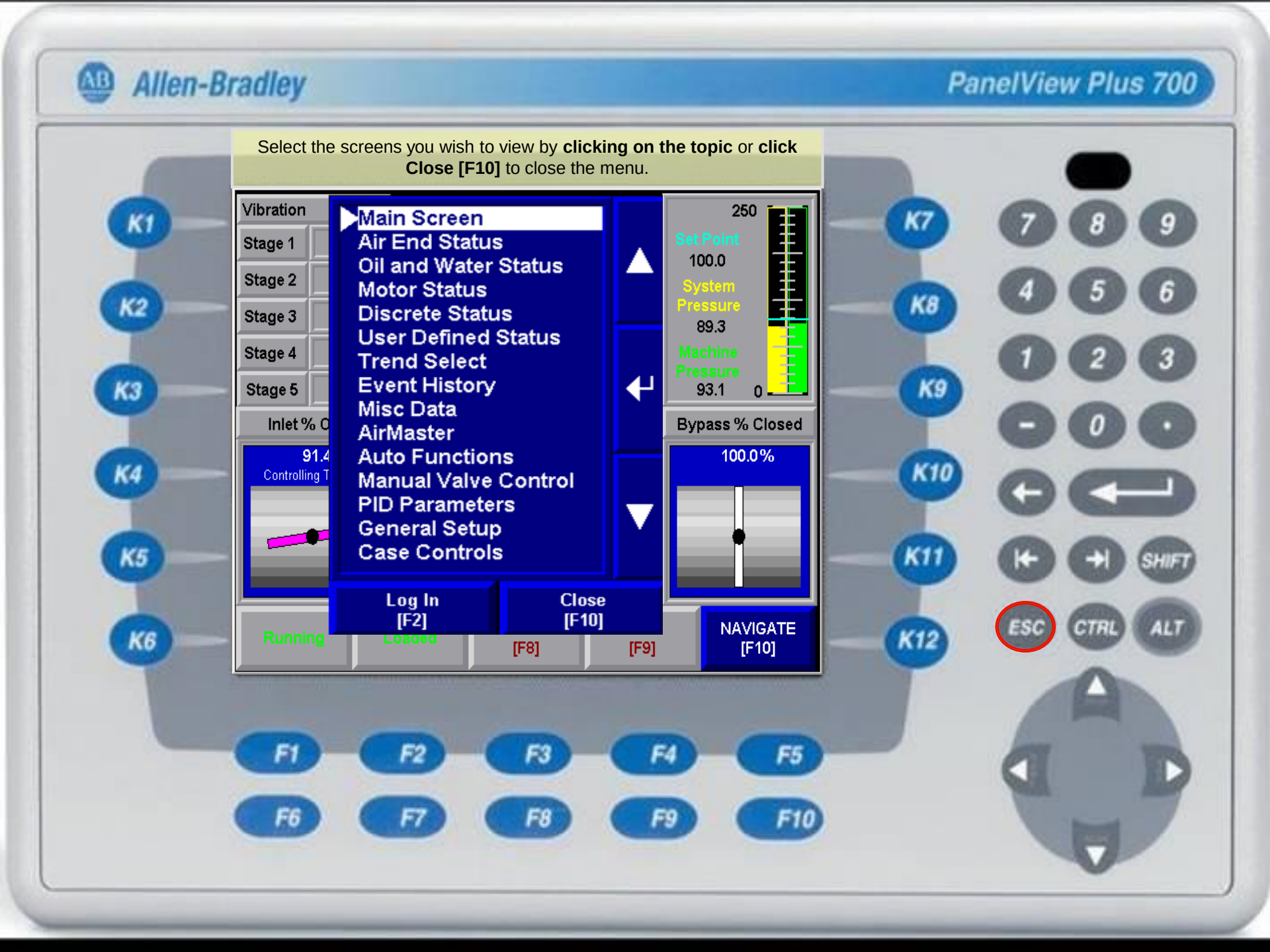
The inlet valve throttles open until Motor Current has reached DTL (Dynamic Throttle Limit). **Click [HERE]** to continue to the next step.

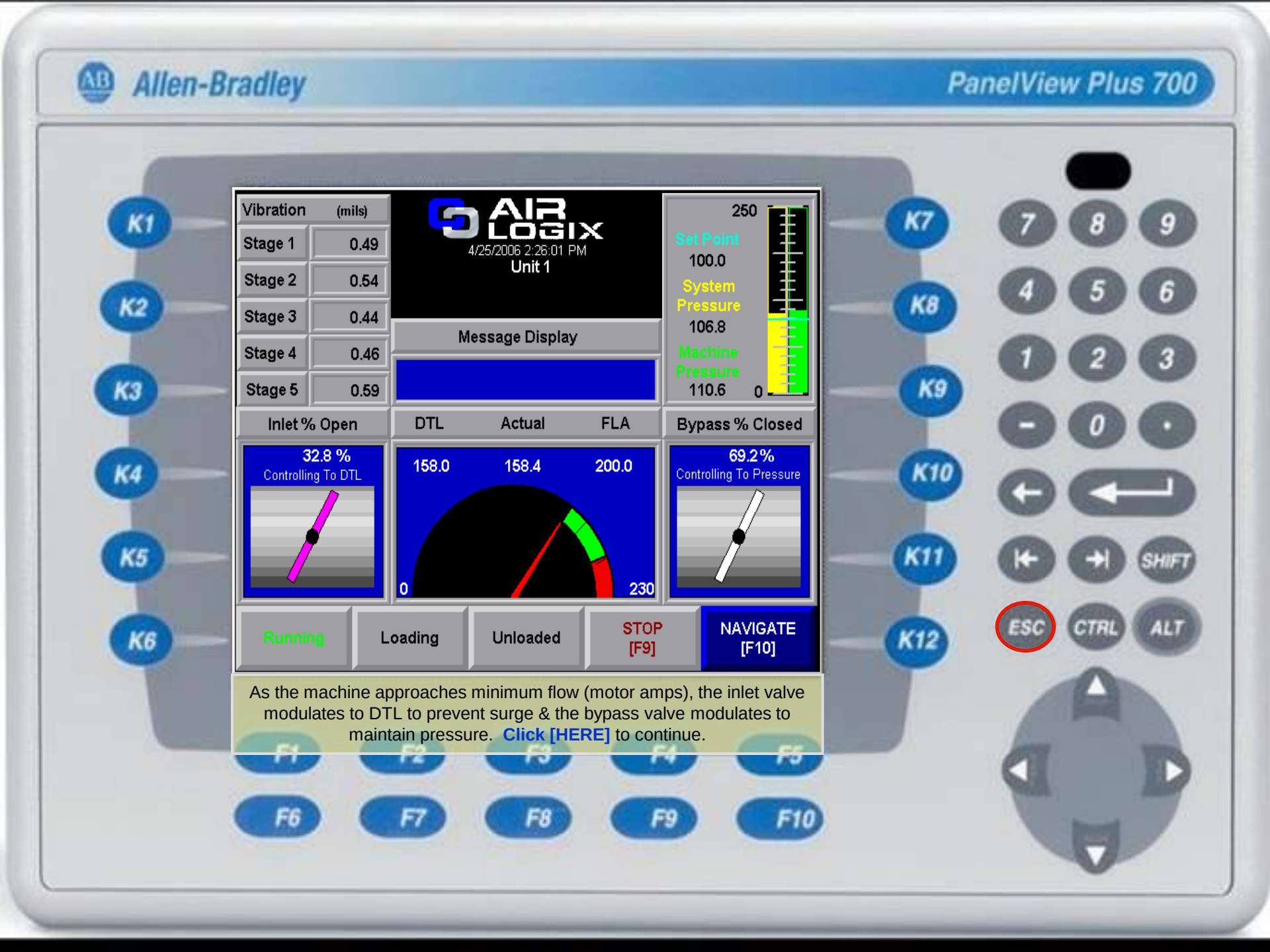

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Vibration
Stage 1
Stage 2
Stage 3
Stage 4
Stage 5
Inlet % C
32.8
Controlling T
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
7.6
0
Bypass % Closed
0.0%
Running
Loading
Unloaded
[F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
Vibration (mils)
Stage 1 0.49
Stage 2 0.54
Stage 3 0.44
Stage 4 0.46
Stage 5 0.59
AIR LOGIX
4/25/2006 1:51:21 PM
Unit 1
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
93.1
0
Message Display
Inlet % Open
63.6 %
Controlling To Pressure
DTL
Actual
FLA
158.0
183.1
200.0
0
230
Bypass % Closed
100.0 %
Running
Loaded
UNLOAD [F8]
STOP [F9]
NAVIGATE [F10]
Now the bypass valve closes bringing the machine into the system and the display reads "Loaded". Click [HERE]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT

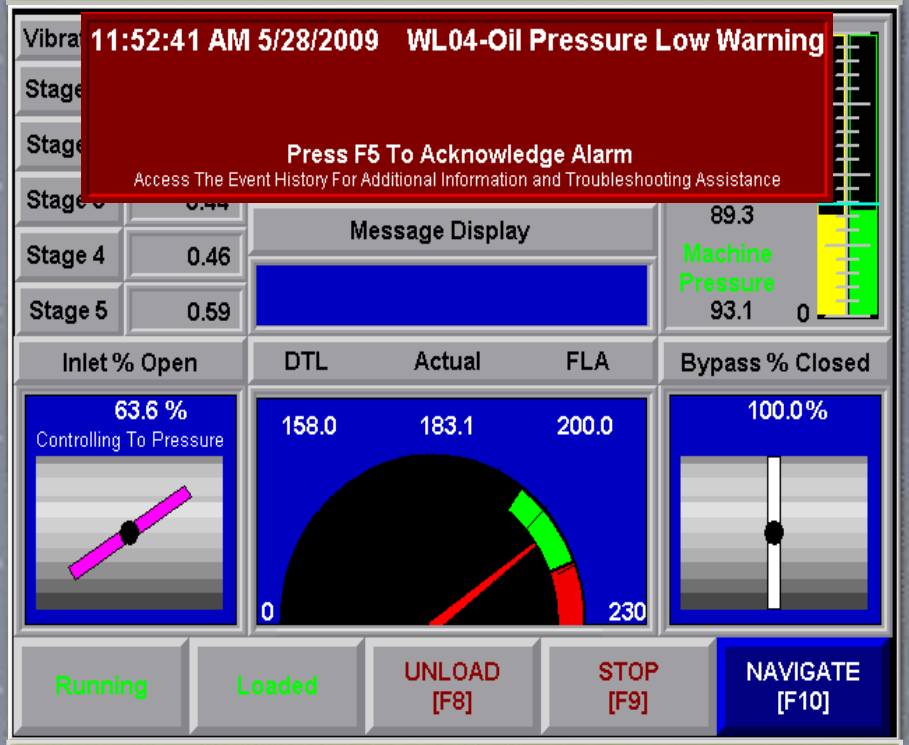

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Vibration
Stage 1
Stage 2
Stage 3
Stage 4
Stage 5
Inlet % C
63.6
Controlling To
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
93.1
0
Bypass % Closed
100.0 %
Log In [F2]
Close [F10]
Running
Loaded
[F8]
[F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
Vibration (mils)
Stage 1 0.49
Stage 2 0.54
Stage 3 0.44
Stage 4 0.46
Stage 5 0.59
AIR LOGIX
4/25/2006 1:49:14 PM
Unit 1
Message Display
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
93.1
0
Inlet % Open
91.4 %
Controlling To FLA
DTL
Actual
FLA
158.0
199.6
200.0
0
230
Bypass % Closed
100.0 %
Running
Loaded
UNLOAD [F8]
STOP [F9]
NAVIGATE [F10]
If Motor Current reaches FLA, AirLogix™ modulates to achieve maximum output while protecting the motor. Click [HERE]
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT

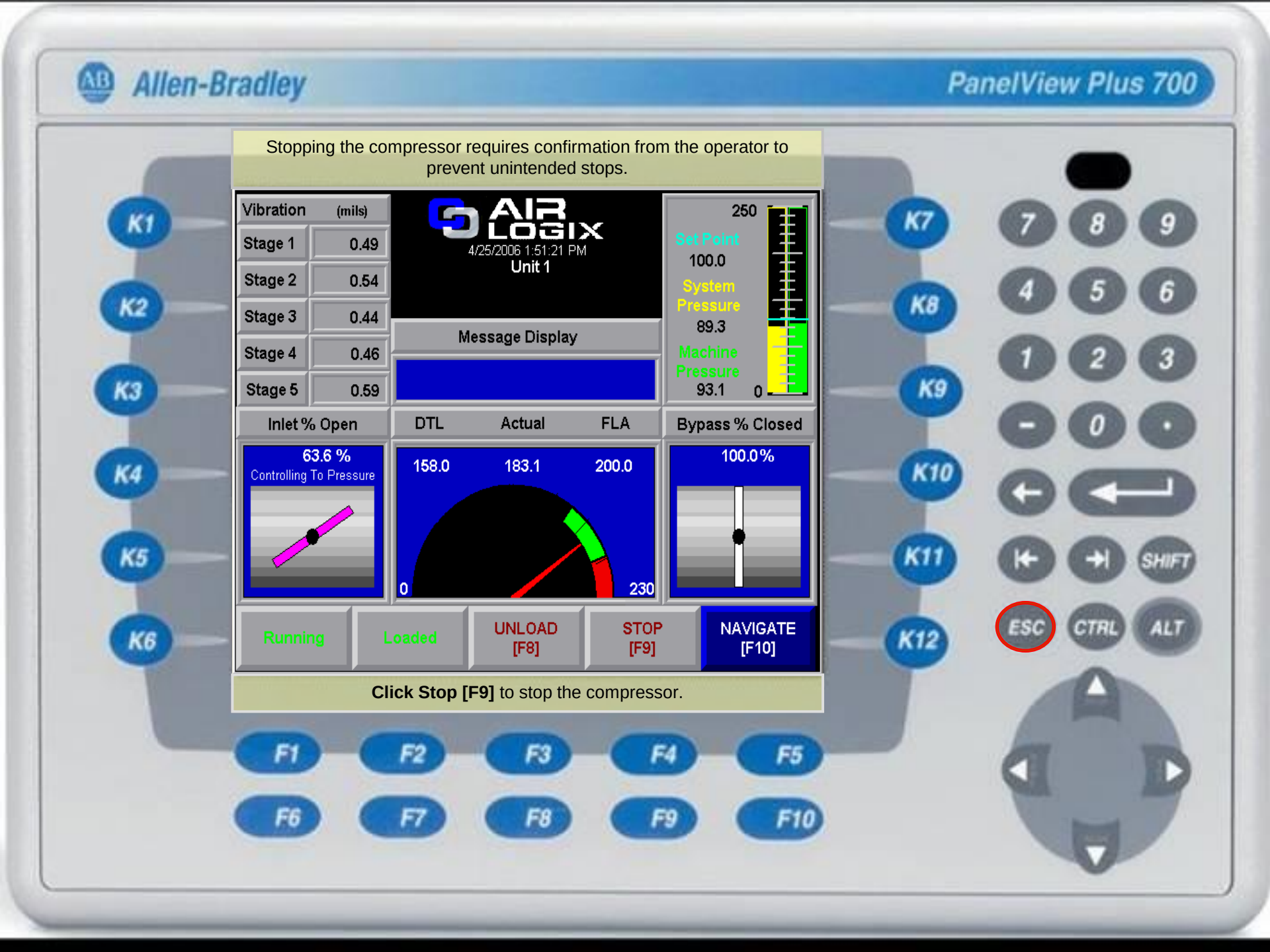

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Vibration
Stage 1
Stage 2
Stage 3
Stage 4
Stage 5
Inlet % C
91.4
Controlling T
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
93.1
0
Bypass % Closed
100.0%
Log In [F2]
Close [F10]
Running
Loaded
[F8]
[F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT

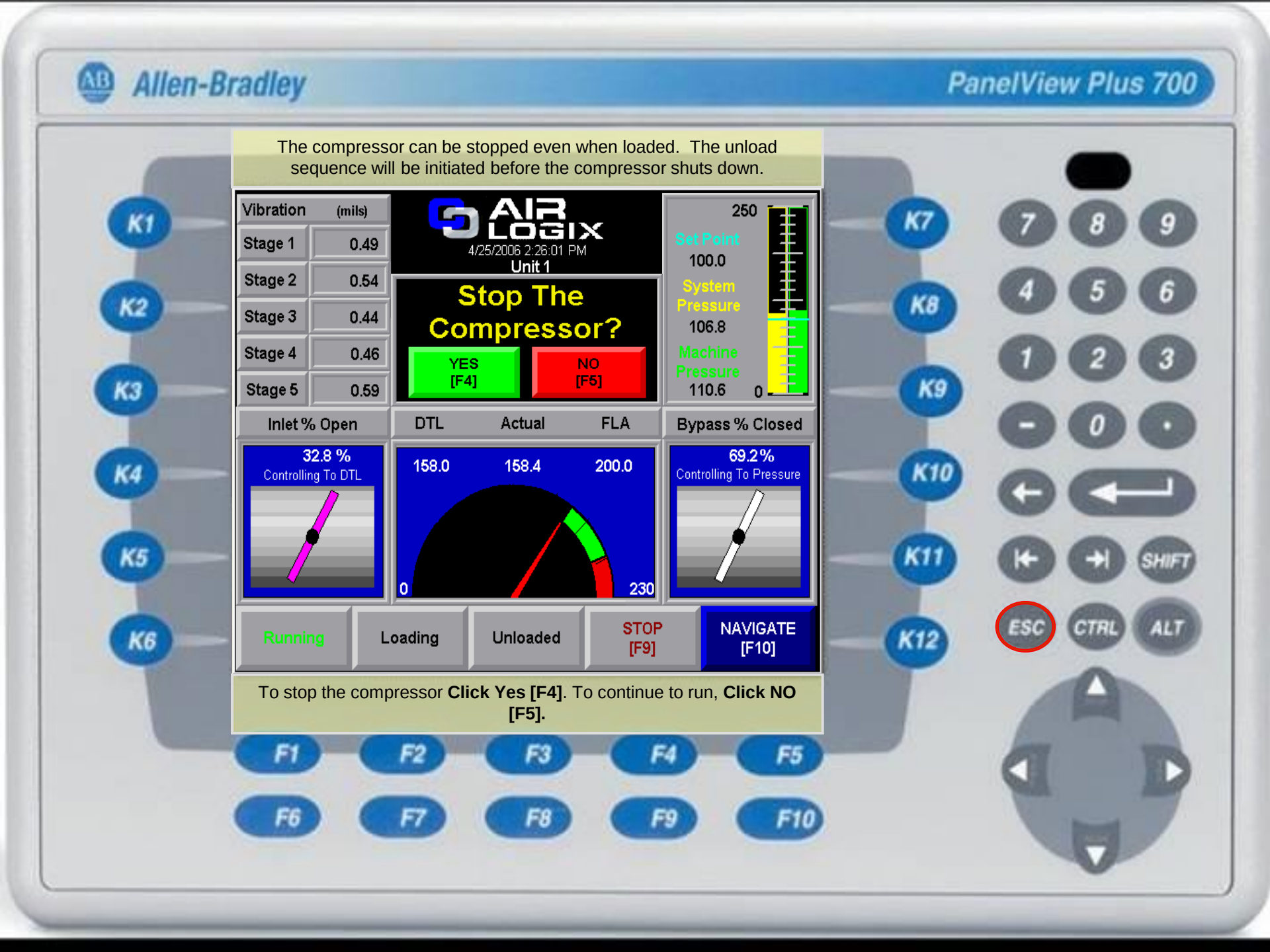

Allen-Bradley
PanelView Plus 700
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
Vibration (mils)
Stage 1 0.49
Stage 2 0.54
Stage 3 0.44
Stage 4 0.46
Stage 5 0.59
AIR LOGIX
4/25/2006 2:26:01 PM
Unit 1
Message Display
250
Set Point
100.0
System Pressure
106.8
Machine Pressure
110.6
0
Inlet % Open
32.8 %
Controlling To DTL
DTL Actual FLA
158.0 158.4 200.0
0 230
Bypass % Closed
69.2 %
Controlling To Pressure
Running
Loading
Unloaded
STOP [F9]
NAVIGATE [F10]
As the machine approaches minimum flow (motor amps), the inlet valve modulates to DTL to prevent surge & the bypass valve modulates to maintain pressure. Click [HERE] to continue.
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT

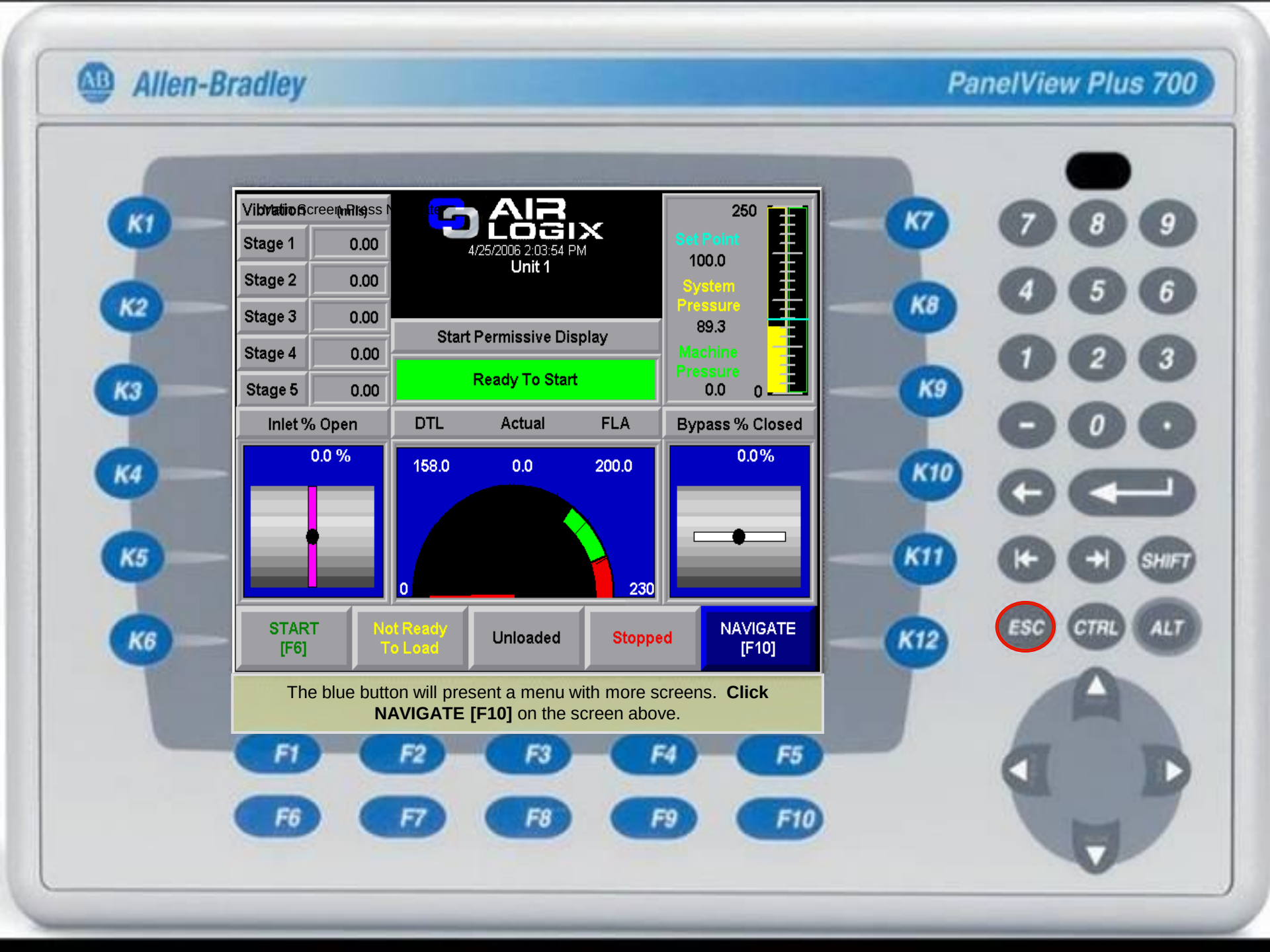
When an input travels beyond its alarm or trip set point, AirLogix™ displays a banner to alert the user of the problem. In the event of a trip, the compressor stops.

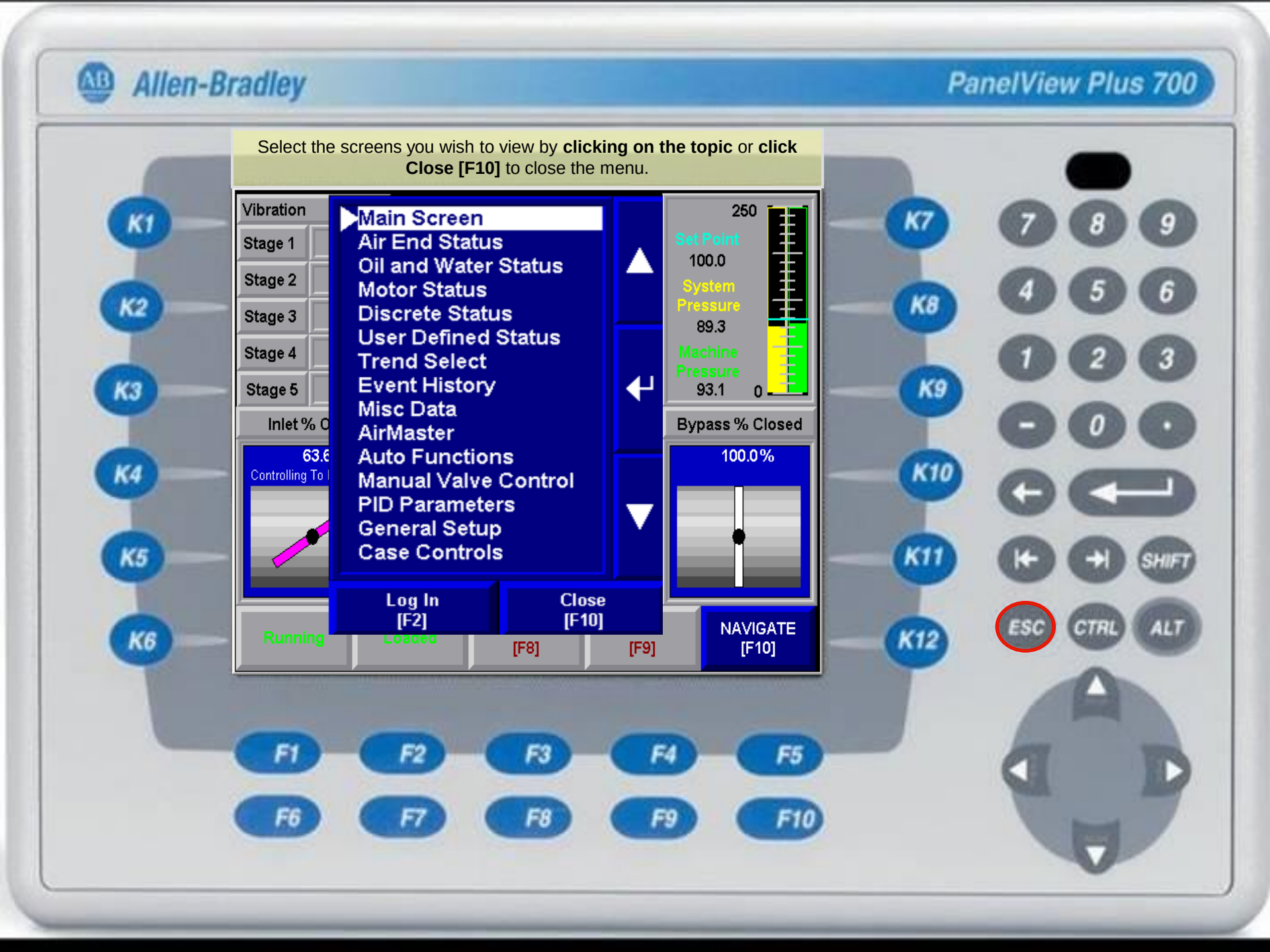


Click the alarm banner to acknowledge the alarm and continue.

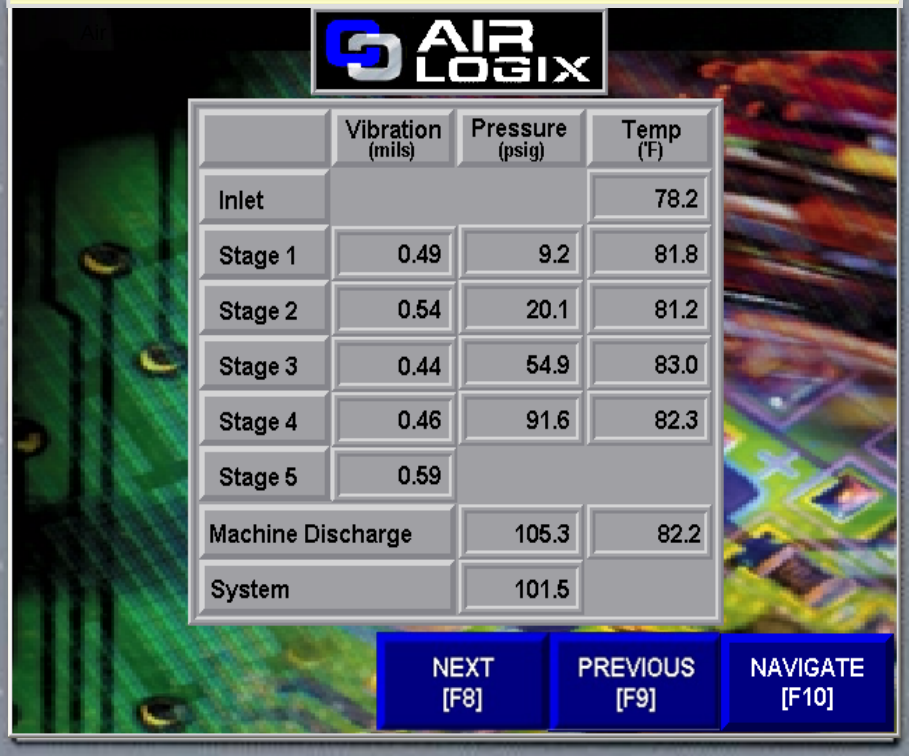

Allen-Bradley
PanelView Plus 700
Stopping the compressor requires confirmation from the operator to prevent unintended stops.
Vibration (mils)
Stage 1 0.49
Stage 2 0.54
Stage 3 0.44
Stage 4 0.46
Stage 5 0.59
AIR LOGIX
4/25/2006 1:51:21 PM
Unit 1
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
93.1
0
Message Display
Inlet % Open
63.6 %
Controlling To Pressure
DTL
Actual
FLA
158.0
183.1
200.0
0
230
Bypass % Closed
100.0 %
Running
Loaded
UNLOAD [F8]
STOP [F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT
Click Stop [F9] to stop the compressor.


Allen-Bradley
PanelView Plus 700
The compressor can be stopped even when loaded. The unload sequence will be initiated before the compressor shuts down.
Vibration (mils)
Stage 1 0.49
Stage 2 0.54
Stage 3 0.44
Stage 4 0.46
Stage 5 0.59
AIR LOGIX
4/25/2006 2:26:01 PM
Unit 1
Stop The Compressor?
YES [F4]
NO [F5]
250
Set Point
100.0
System Pressure
106.8
Machine Pressure
110.6
0
Inlet % Open
32.8 %
Controlling To DTL
DTL Actual FLA
158.0
158.4
200.0
0
230
Bypass % Closed
69.2 %
Controlling To Pressure
Running
Loading
Unloaded
STOP [F9]
NAVIGATE [F10]
To stop the compressor Click Yes [F4]. To continue to run, Click NO [F5].
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
Vibration (mils)
Stage 1 0.00
Stage 2 0.00
Stage 3 0.00
Stage 4 0.00
Stage 5 0.00
AIR LOGIX
4/25/2006 2:03:54 PM
Unit 1
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
0.0
0
Start Permissive Display
Ready To Start
Inlet % Open
0.0 %
DTL
Actual
FLA
158.0
0.0
200.0
0
230
Bypass % Closed
0.0 %
START [F6]
Not Ready To Load
Unloaded
Stopped
NAVIGATE [F10]
The blue button will present a menu with more screens. Click NAVIGATE [F10] on the screen above.
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT

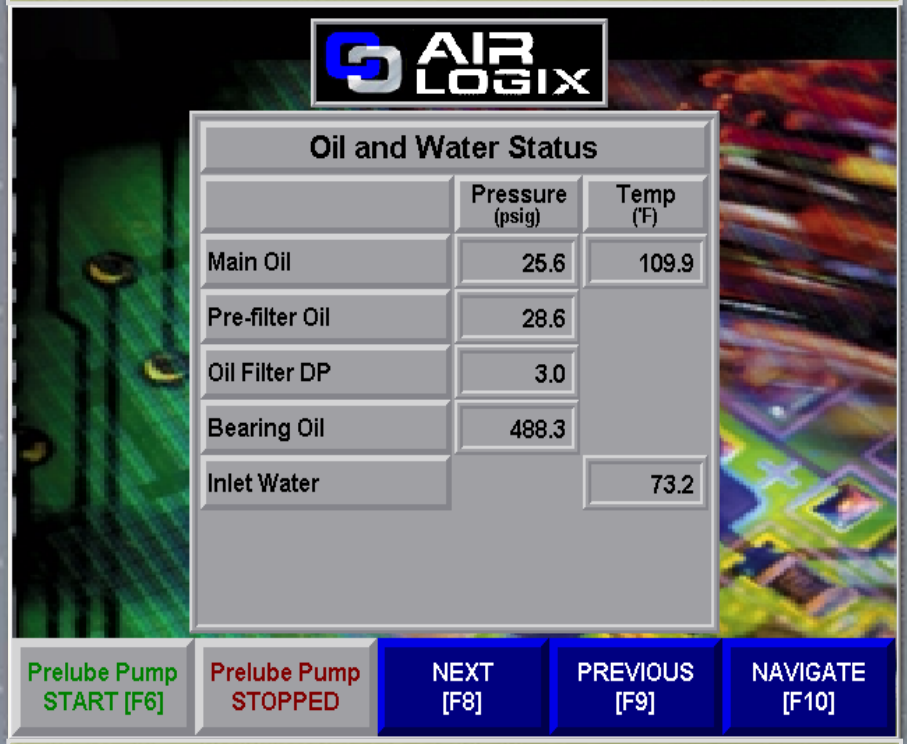

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Vibration
Stage 1
Stage 2
Stage 3
Stage 4
Stage 5
Inlet % C
63.6
Controlling To
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
93.1
0
Bypass % Closed
100.0 %
Log In [F2]
Close [F10]
Running
Loaded
[F8]
[F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT

Vibrations, pressures and temperatures are organized here and displayed by machine stage.



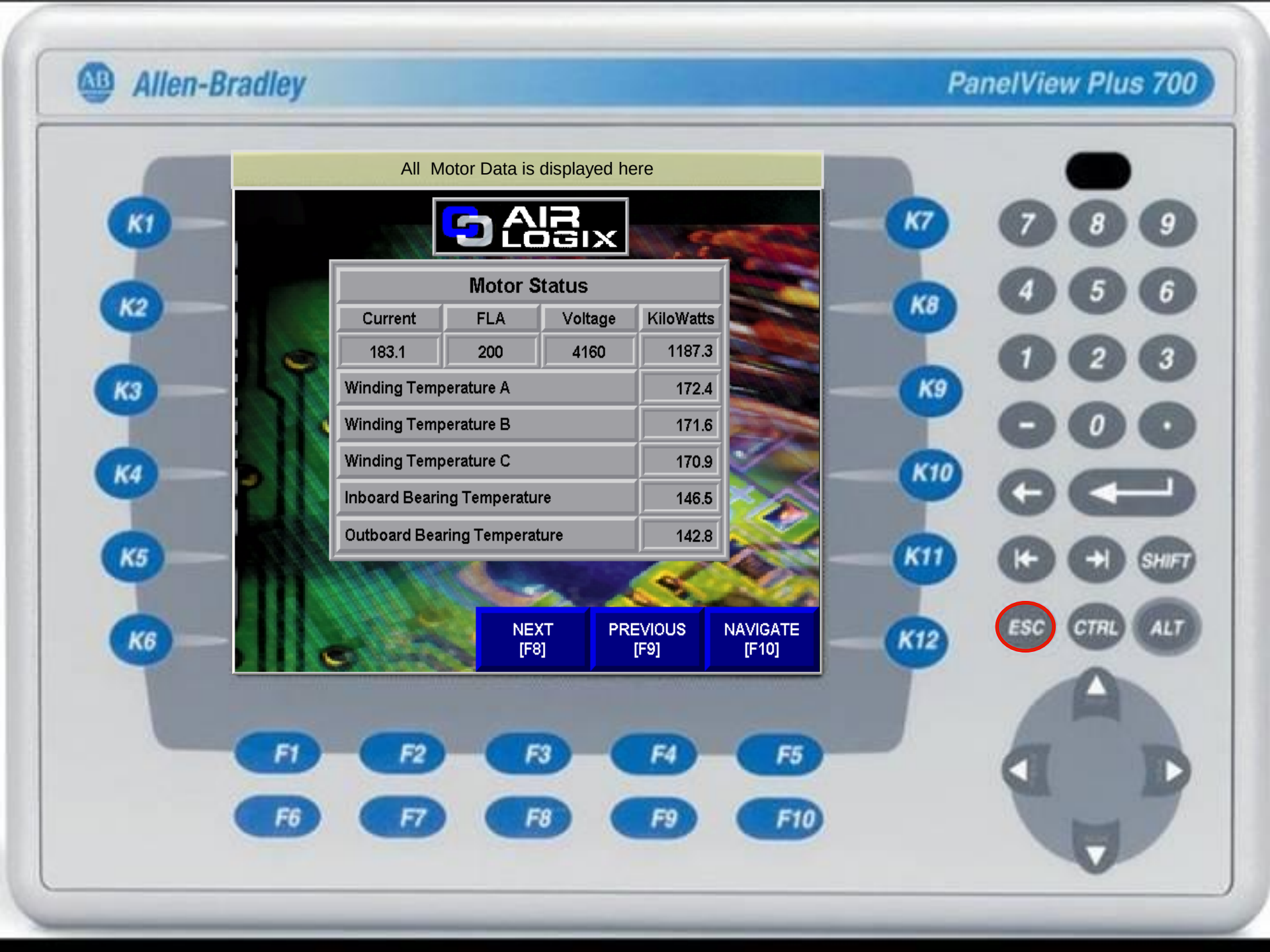

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
[F8]
[F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT

Oil and water readings are displayed here.

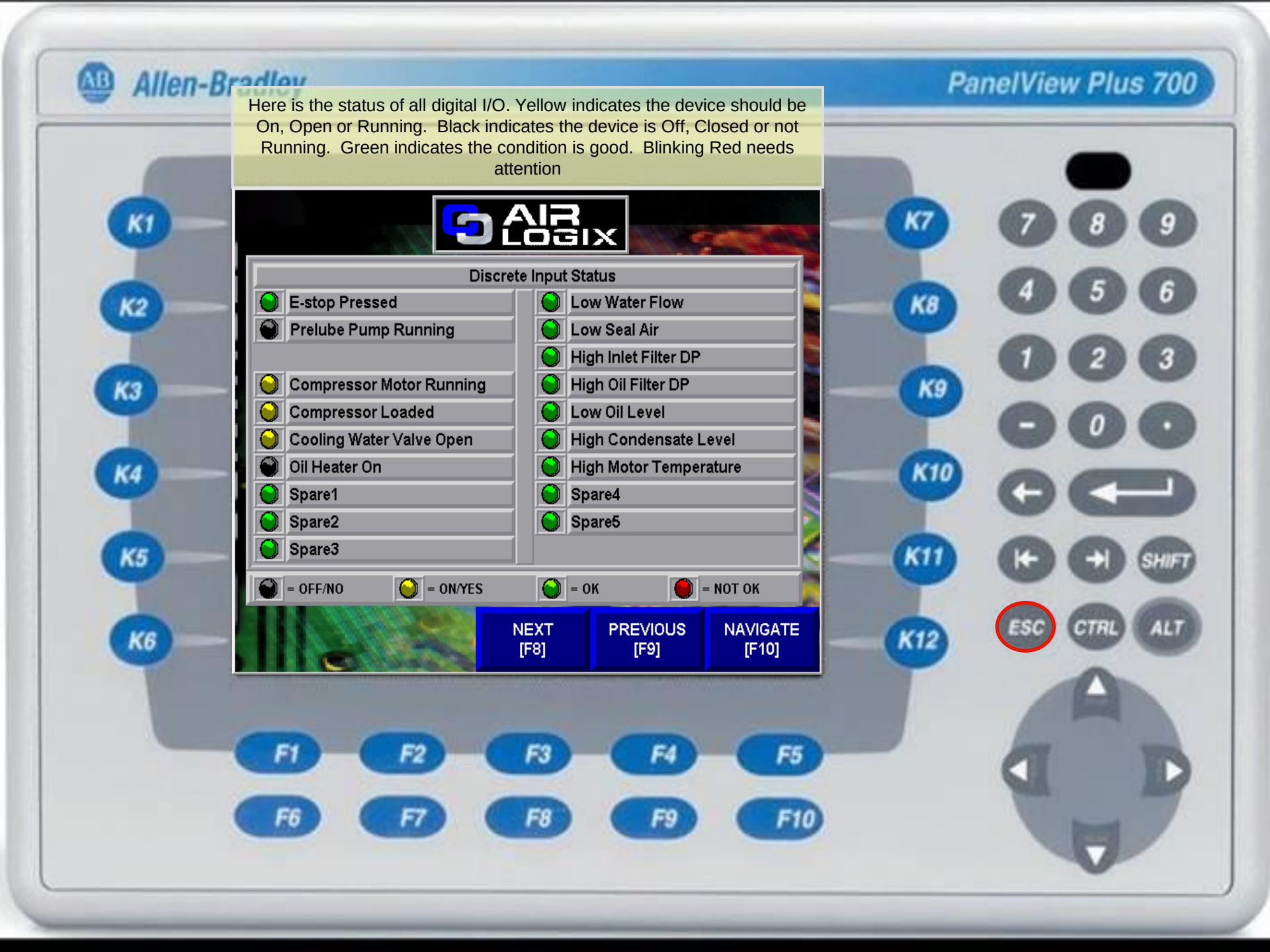


An authorized user can Start/Stop the Prelube or Auxiliary Oil Pump from this screen.


Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by clicking on the topic or click Close [F10] to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
Prelube Pump START [F6]
STOPPED
[F8]
[F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT

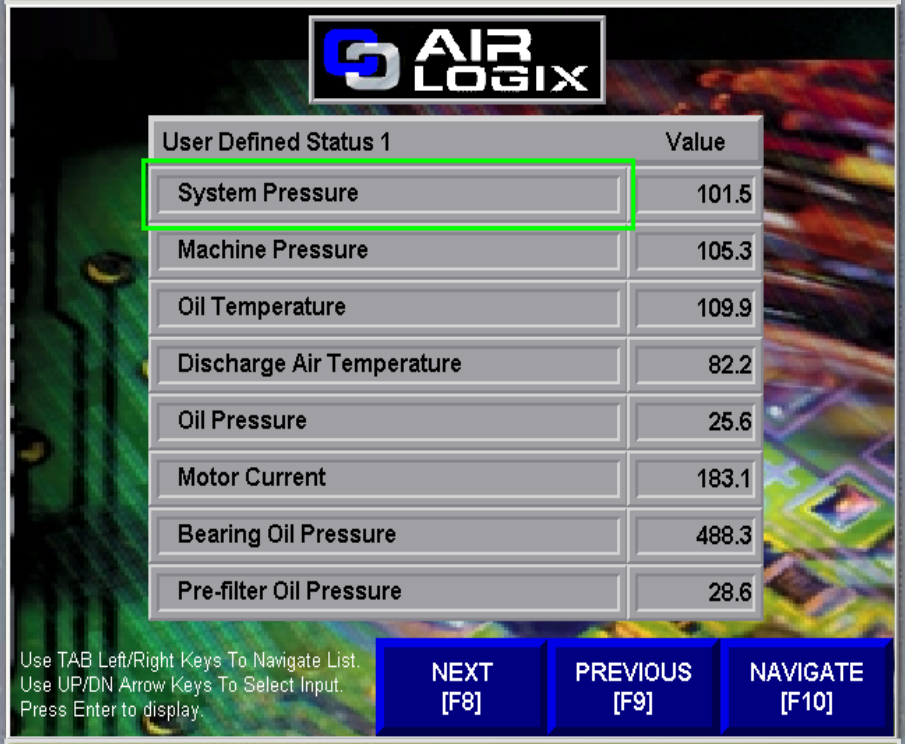

Allen-Bradley
PanelView Plus 700
All Motor Data is displayed here
AIR LOGIX
Motor Status
Current
FLA
Voltage
KiloWatts
183.1
200
4160
1187.3
Winding Temperature A
172.4
Winding Temperature B
171.6
Winding Temperature C
170.9
Inboard Bearing Temperature
146.5
Outboard Bearing Temperature
142.8
NEXT [F8]
PREVIOUS [F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
loWatts
1187.3
172.4
171.6
170.9
146.5
142.8
Log In [F2]
Close [F10]
[F8]
[F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
Here is the status of all digital I/O. Yellow indicates the device should be On, Open or Running. Black indicates the device is Off, Closed or not Running. Green indicates the condition is good. Blinking Red needs attention
AIR LOGIX
Discrete Input Status
E-stop Pressed
Prelube Pump Running
Compressor Motor Running
Compressor Loaded
Cooling Water Valve Open
Oil Heater On
Spare1
Spare2
Spare3
Low Water Flow
Low Seal Air
High Inlet Filter DP
High Oil Filter DP
Low Oil Level
High Condensate Level
High Motor Temperature
Spare4
Spare5
= OFF/NO
= ON/YES
= OK
= NOT OK
NEXT [F8]
PREVIOUS [F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
[F8]
[F9]
NAVIGATE [F10]
= NOT OK
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
ESC
CTRL
ALT
SHIFT

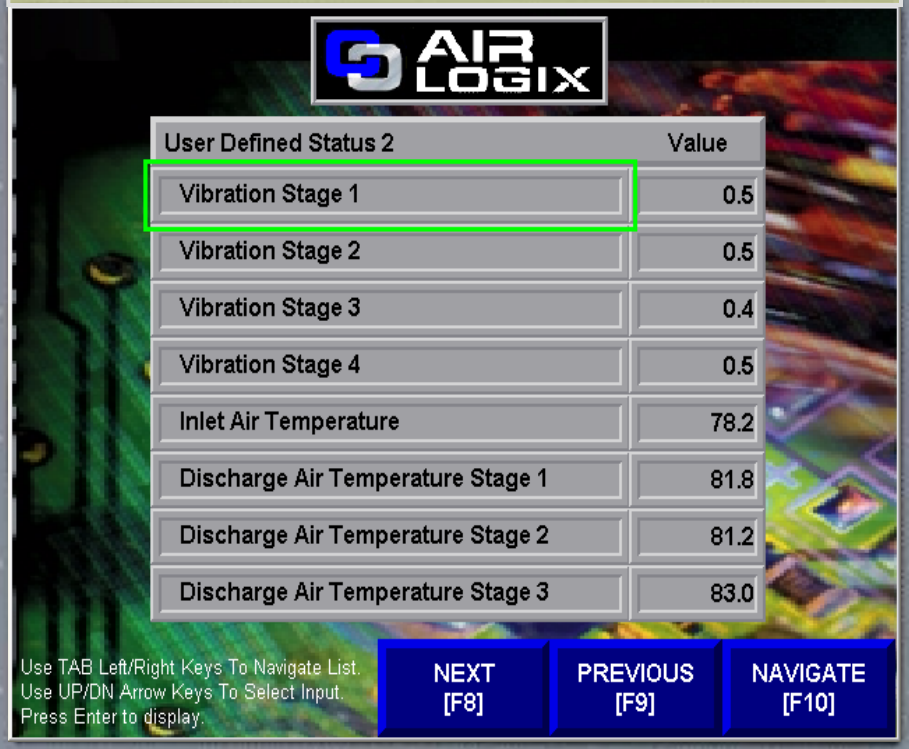
The User Defined Status Screen allows the user to decide what inputs they want to view. The screen can be configured to display any enabled analog input.



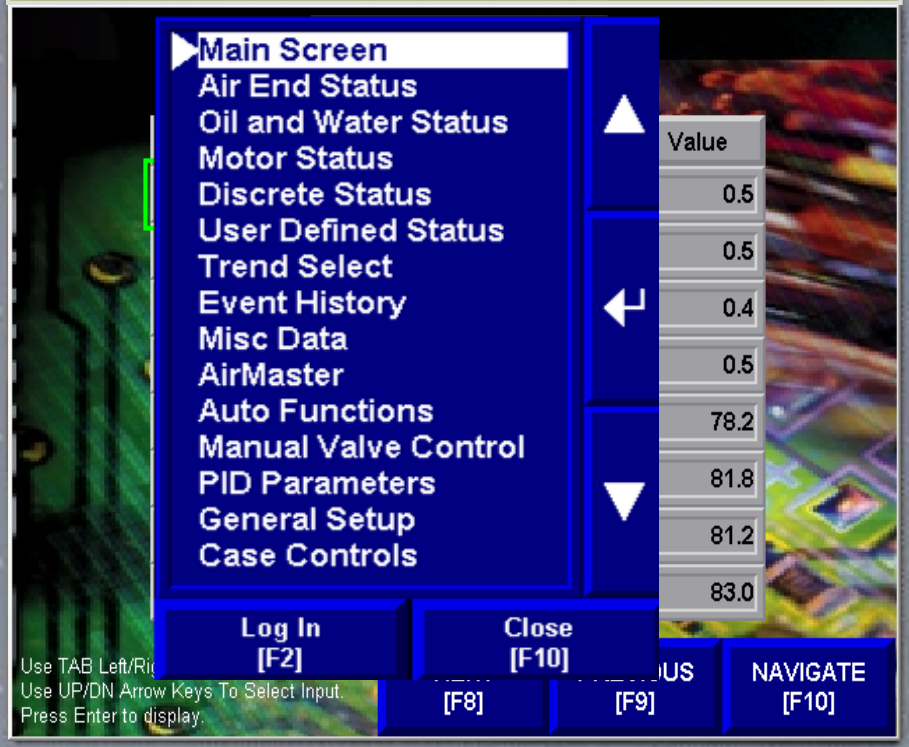
Click inside the green box to change the input. **Click** "**Navigate [F10]"** to skip to a particular module or return to the main screen.


Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Value
101.5
105.3
109.9
82.2
25.6
183.1
488.3
28.6
Log In [F2]
Close [F10]
NAVIGATE [F10]
Use TAB Left/Ri
Use UP/DN Arrow Keys To Select Input.
Press Enter to display.
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT

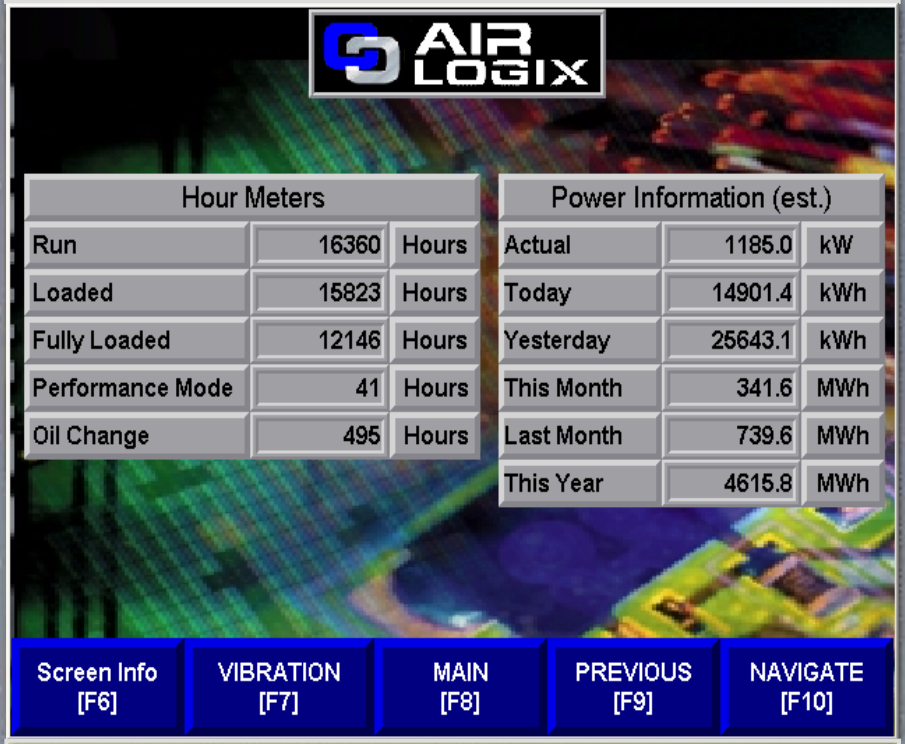
A second User Defined Status Screen provides the ability to monitor up to 16 analog inputs.



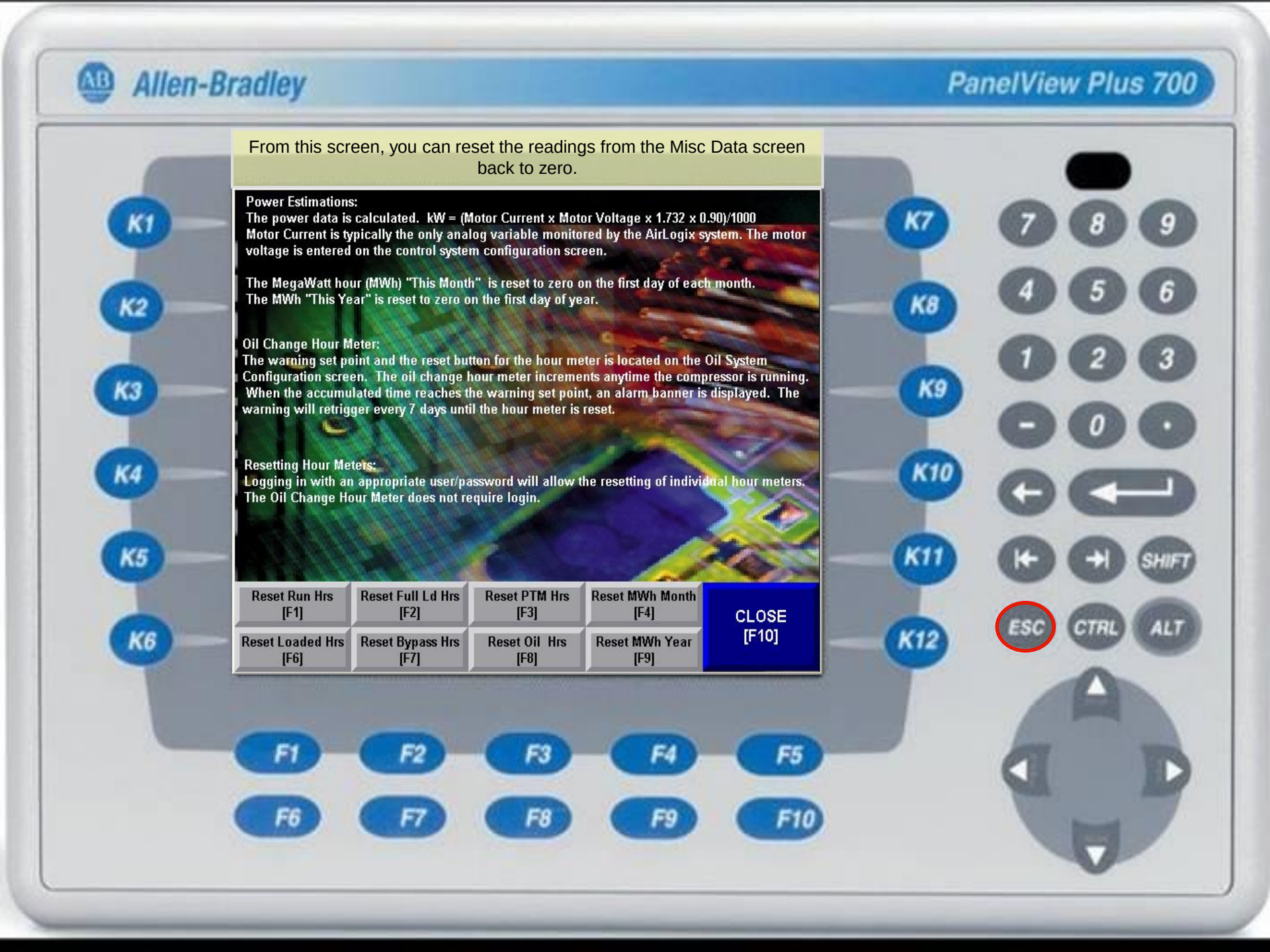
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.



The Misc Data Screen provides useful data about the compressor. The data can be used for preventative maintenance scheduling and monitoring energy usage.

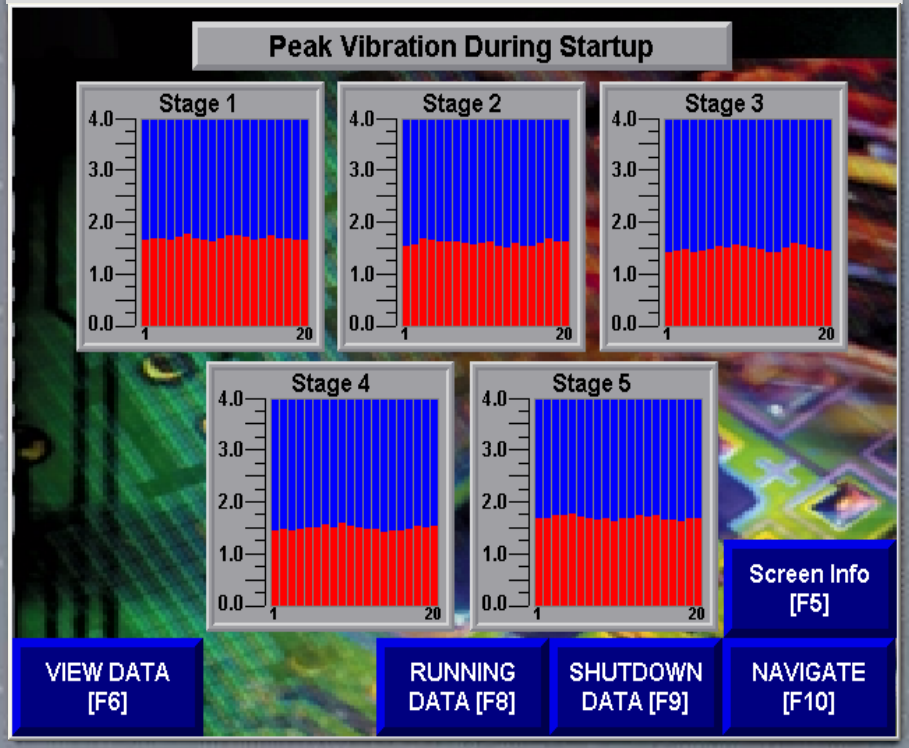


The Screen Info [F6] button will navigate to a screen with further details on the information here. **Click Vibration [F7]** to view the vibration log screens.


Allen-Bradley
PanelView Plus 700
From this screen, you can reset the readings from the Misc Data screen back to zero.
Power Estimations:
The power data is calculated. kW = (Motor Current x Motor Voltage x 1.732 x 0.90)/1000
Motor Current is typically the only analog variable monitored by the AirLogix system. The motor voltage is entered on the control system configuration screen.
The MegaWatt hour (MWh) "This Month" is reset to zero on the first day of each month.
The MWh "This Year" is reset to zero on the first day of year.
Oil Change Hour Meter:
The warning set point and the reset button for the hour meter is located on the Oil System Configuration screen. The oil change hour meter increments anytime the compressor is running. When the accumulated time reaches the warning set point, an alarm banner is displayed. The warning will retrigger every 7 days until the hour meter is reset.
Resetting Hour Meters:
Logging in with an appropriate user/password will allow the resetting of individual hour meters. The Oil Change Hour Meter does not require login.
Reset Run Hrs [F1]
Reset Full Ld Hrs [F2]
Reset PTM Hrs [F3]
Reset MWh Month [F4]
CLOSE [F10]
Reset Loaded Hrs [F6]
Reset Bypass Hrs [F7]
Reset Oil Hrs [F8]
Reset MWh Year [F9]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT

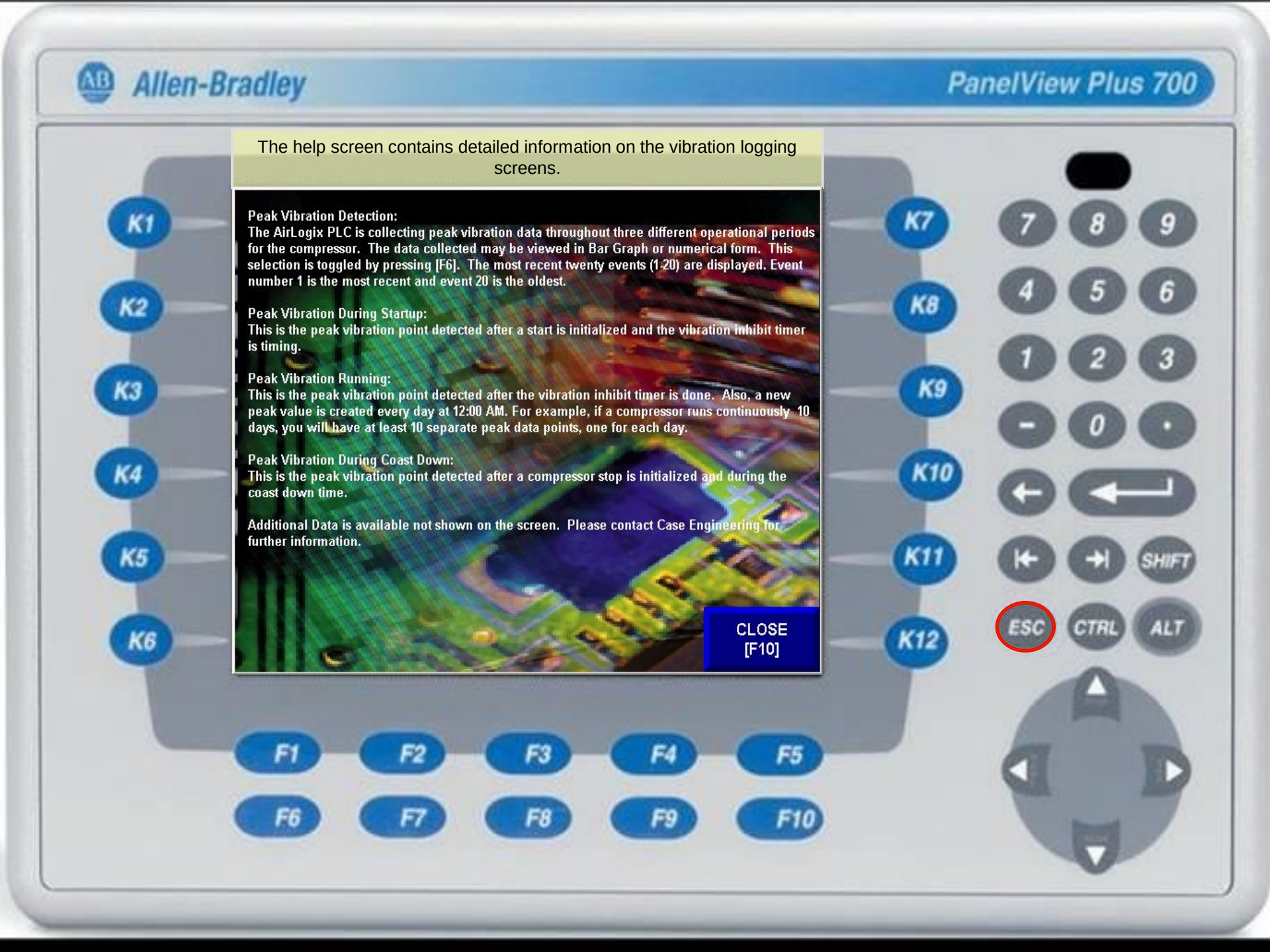

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
Run
Loaded
Fully Loade
Performanc
Oil Change
formation (est.)
1185.0 kW
14901.4 kWh
25643.1 kWh
341.6 MWh
739.6 MWh
4615.8 MWh
Screen Info [F6]
[F7]
[F8]
[F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT

Every time the compressor is started AirLogix™ captures the peak vibration during the start for each stage. The last 20 peaks are then displayed in a graph for analysis.

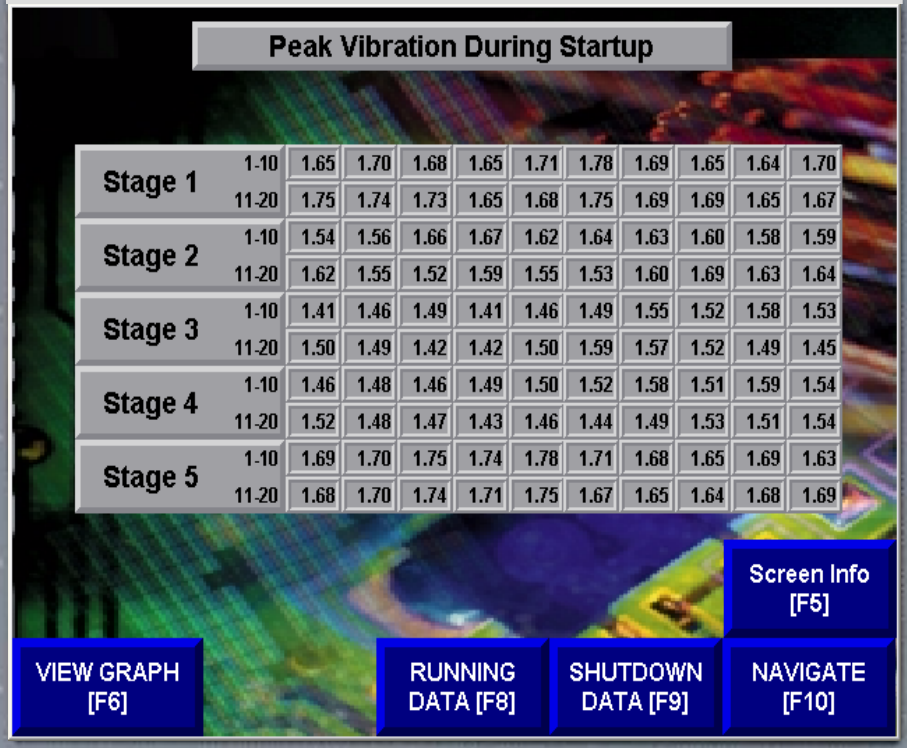



Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Stage 3
Log In [F2]
Close [F10]
Screen Info [F5]
VIEW DAT... [F6]
DATA [F8]
DATA [F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
ESC
CTRL
ALT
SHIFT

The help screen contains detailed information on the vibration logging screens.

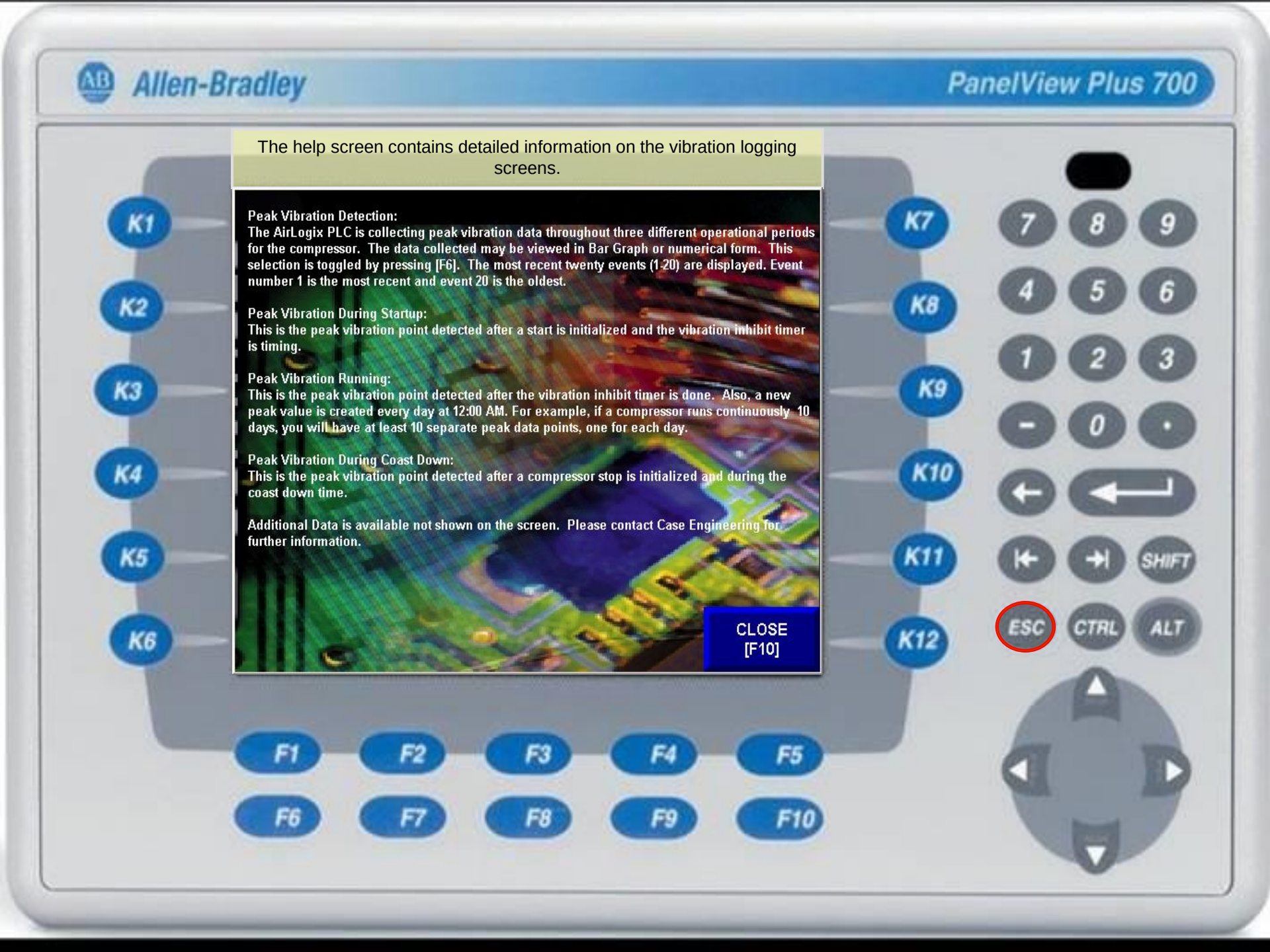


Every time the compressor is started AirLogix™ captures the peak vibration for each stage. The last 20 peaks are entered into a table for analysis.

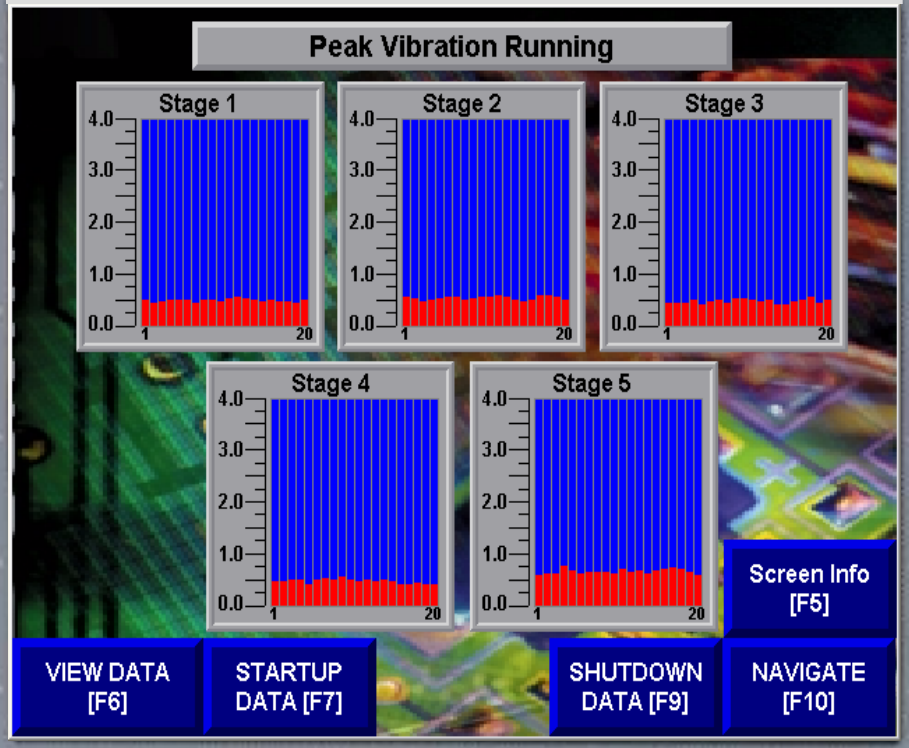



Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
Screen Info [F5]
VIEW GRAP [F6]
DATA [F8]
DATA [F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
ESC
CTRL
ALT
SHIFT

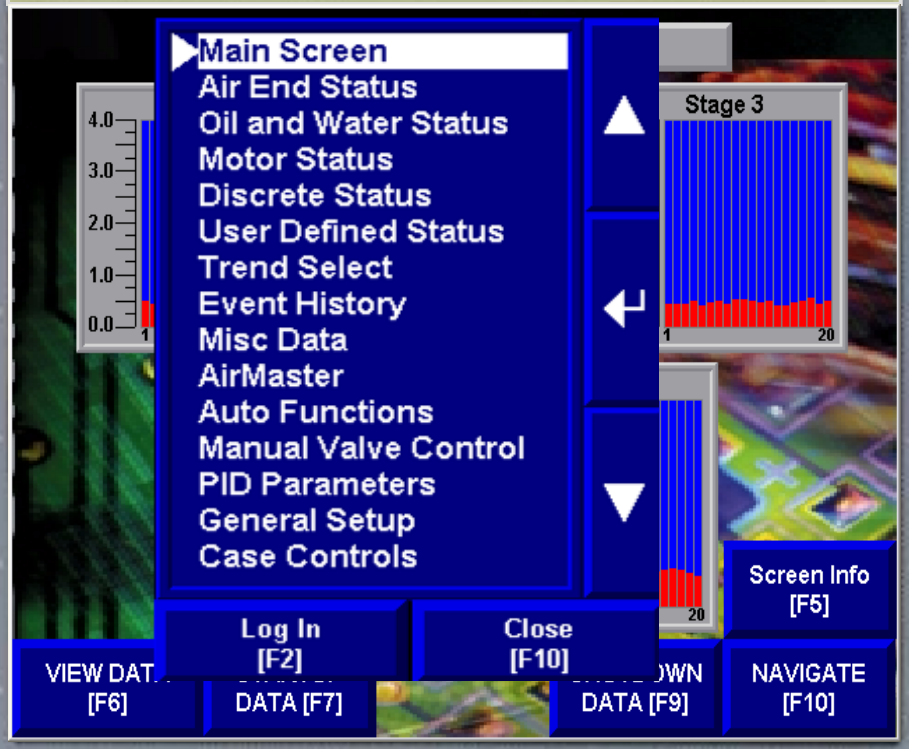
The help screen contains detailed information on the vibration logging screens.



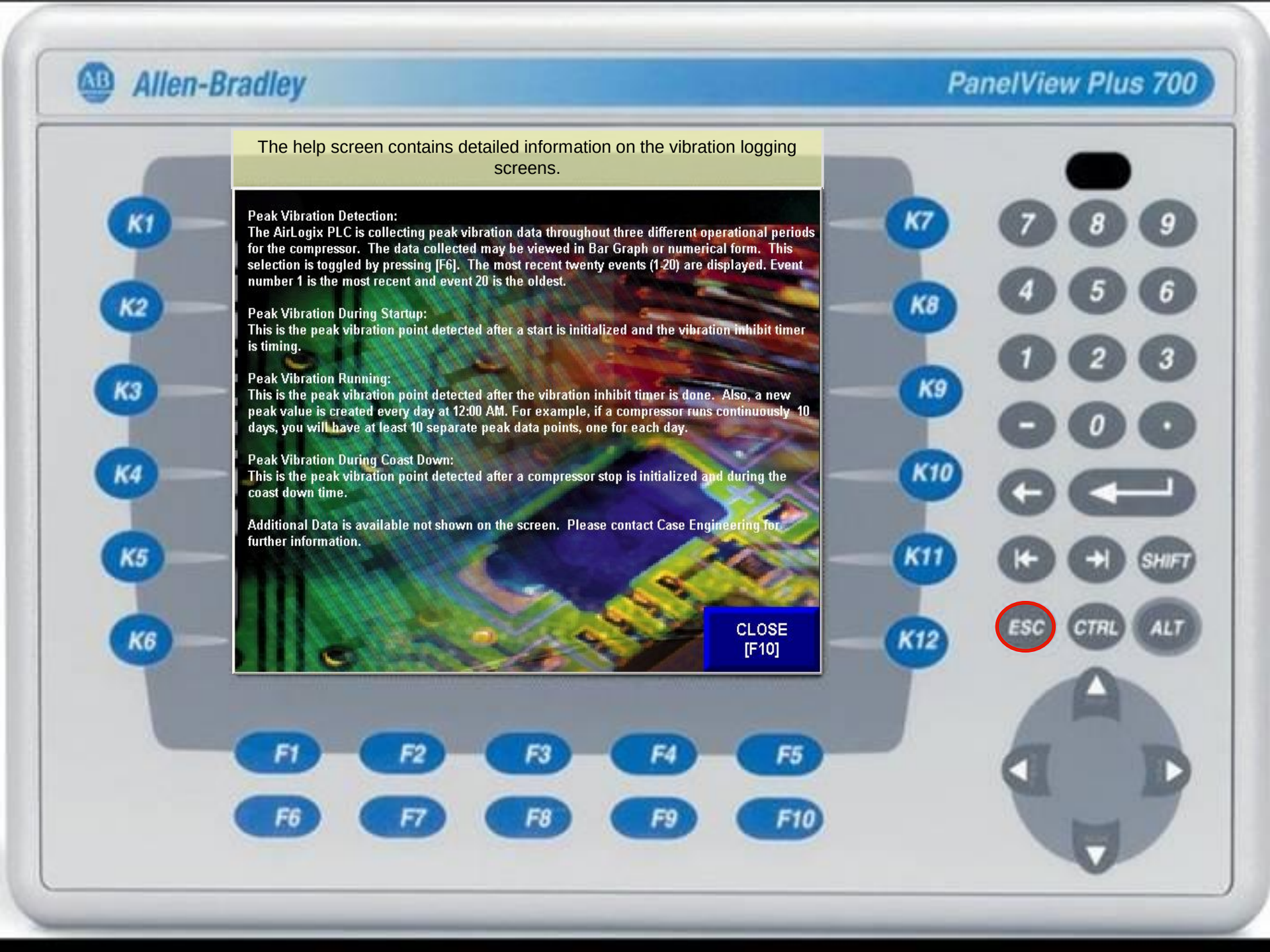
AirLogix™ captures the peak vibration for each stage while the compressor is running. The last 20 peaks are then displayed is a graph for analysis.

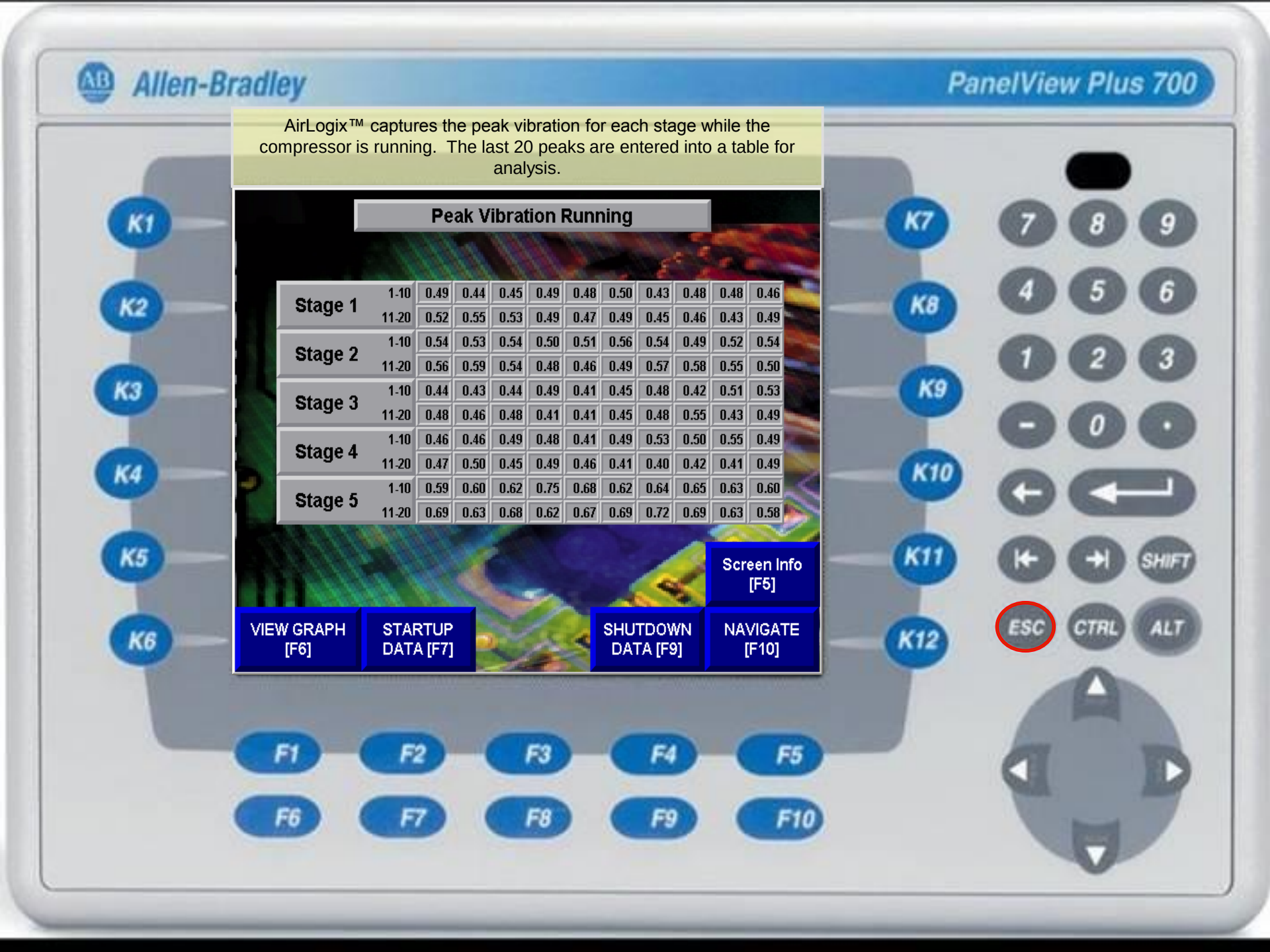


Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.



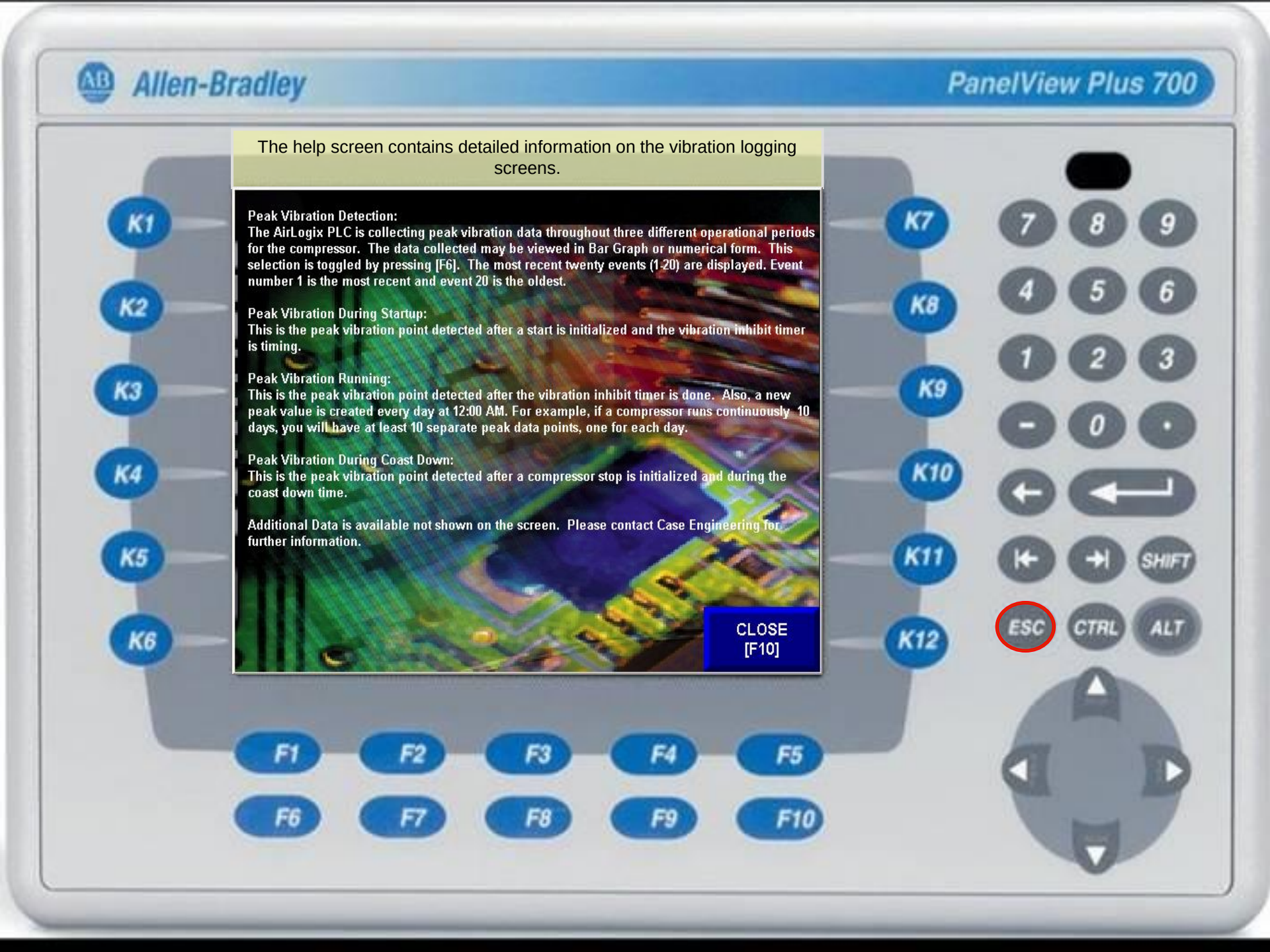
The help screen contains detailed information on the vibration logging screens.



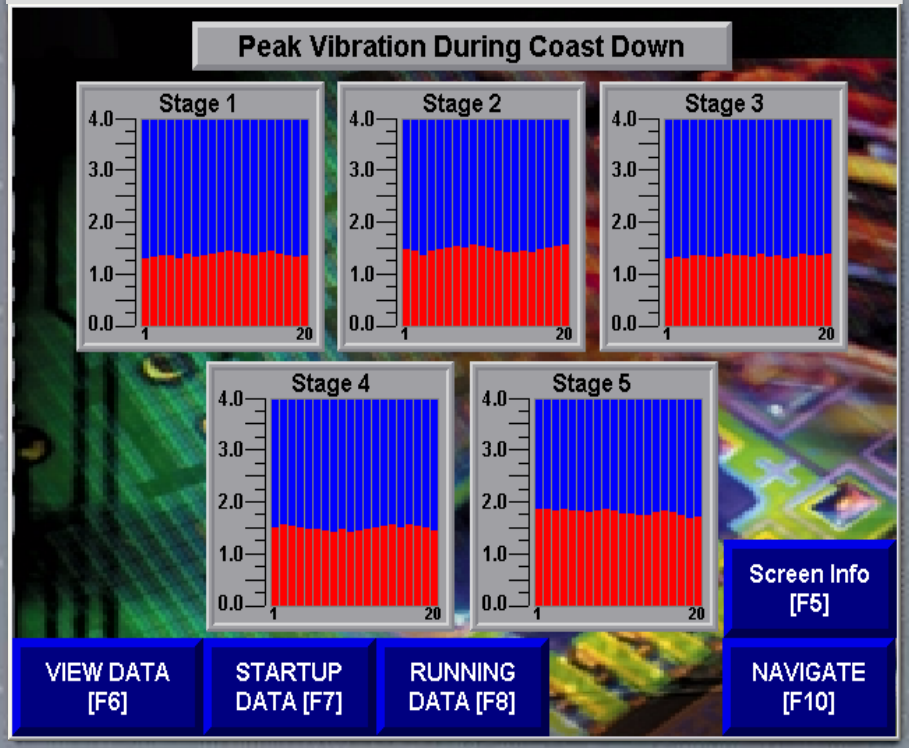

Allen-Bradley
PanelView Plus 700
AirLogix™ captures the peak vibration for each stage while the compressor is running. The last 20 peaks are entered into a table for analysis.
Peak Vibration Running
Stage 1 1-10 0.49 0.44 0.45 0.49 0.48 0.50 0.43 0.48 0.48 0.46
Stage 1 11-20 0.52 0.55 0.53 0.49 0.47 0.49 0.45 0.46 0.43 0.49
Stage 2 1-10 0.54 0.53 0.54 0.50 0.51 0.56 0.54 0.49 0.52 0.54
Stage 2 11-20 0.56 0.59 0.54 0.48 0.46 0.49 0.57 0.58 0.55 0.50
Stage 3 1-10 0.44 0.43 0.44 0.49 0.41 0.45 0.48 0.42 0.51 0.53
Stage 3 11-20 0.48 0.46 0.48 0.41 0.41 0.45 0.48 0.55 0.43 0.49
Stage 4 1-10 0.46 0.46 0.49 0.48 0.41 0.49 0.53 0.50 0.55 0.49
Stage 4 11-20 0.47 0.50 0.45 0.49 0.46 0.41 0.40 0.42 0.41 0.49
Stage 5 1-10 0.59 0.60 0.62 0.75 0.68 0.62 0.64 0.65 0.63 0.60
Stage 5 11-20 0.69 0.63 0.68 0.62 0.67 0.69 0.72 0.69 0.63 0.58
Screen Info [F5]
VIEW GRAPH [F6]
STARTUP DATA [F7]
SHUTDOWN DATA [F9]
NAVIGATE [F10]
K1 K2 K3 K4 K5 K6 K7 K8 K9 K10 K11 K12
F1 F2 F3 F4 F5 F6 F7 F8 F9 F10
7 8 9 4 5 6 1 2 3 - 0 .
SHIFT ESC CTRL ALT


Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
Screen Info [F5]
VIEW GRAP [F6]
DATA [F7]
DATA [F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
ESC
CTRL
ALT
SHIFT

The help screen contains detailed information on the vibration logging screens.



Every time the compressor is stopped AirLogix™ captures the peak vibration for each stage during coast down. The last 20 peaks are then displayed is a graph for analysis.



Allen-Bradley PanelView Plus 700

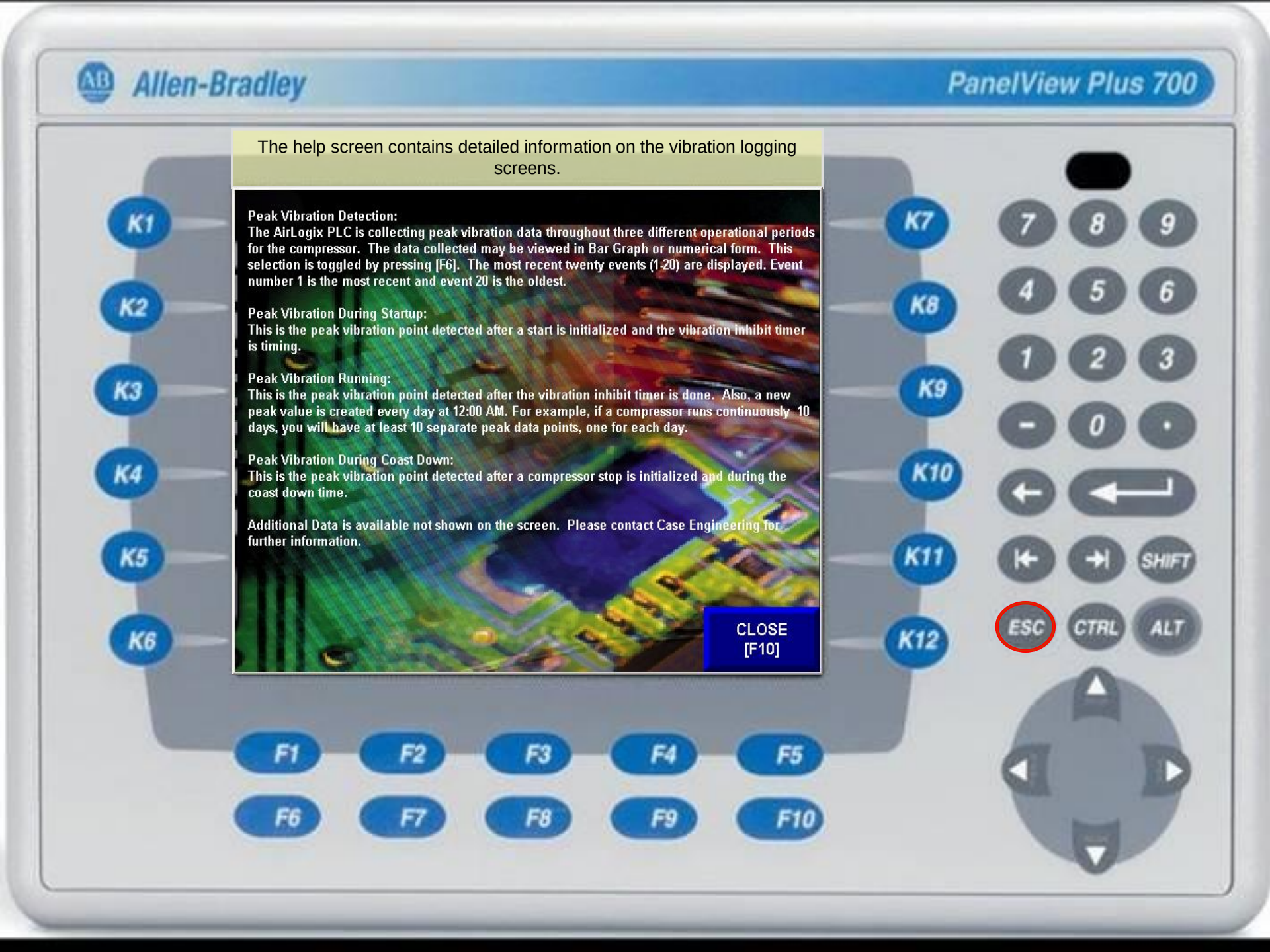
K1 K2 K3 K4 K5 K6 K7 K8 K9 K10 K11 K12

7 8 9 4 5 6 1 2 3 - 0 . SHIFT ESC CTRL ALT

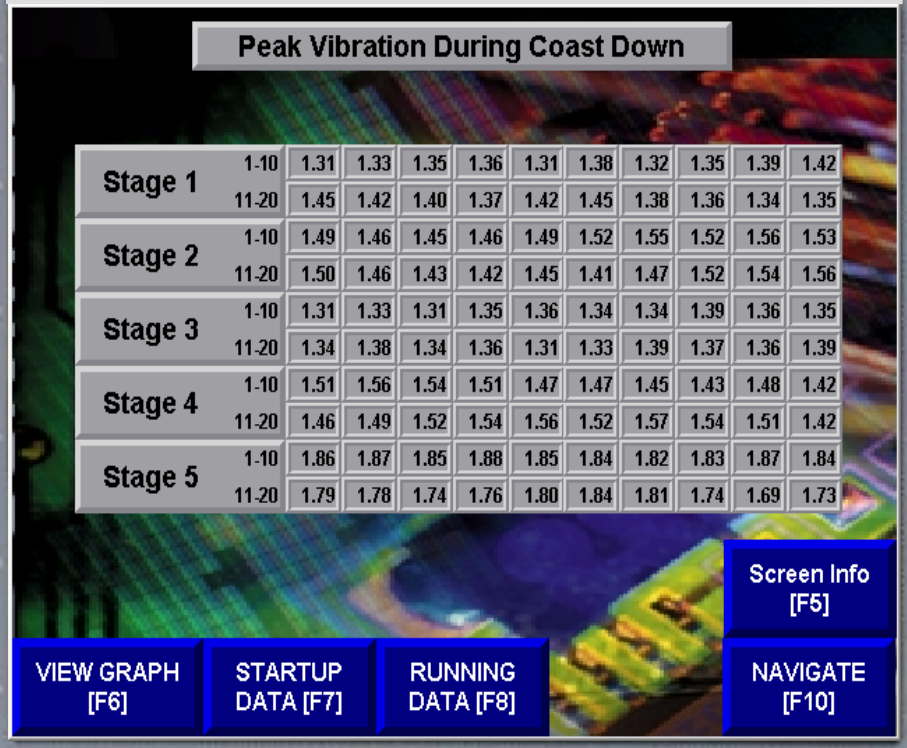
F1 F2 F3 F4 F5 F6 F7 F8 F9 F10


Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Stage 3
Log In [F2]
Close [F10]
Screen Info [F5]
NAVIGATE [F10]
DATA [F7]
DATA [F8]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
ESC
CTRL
ALT
SHIFT

The help screen contains detailed information on the vibration logging screens.

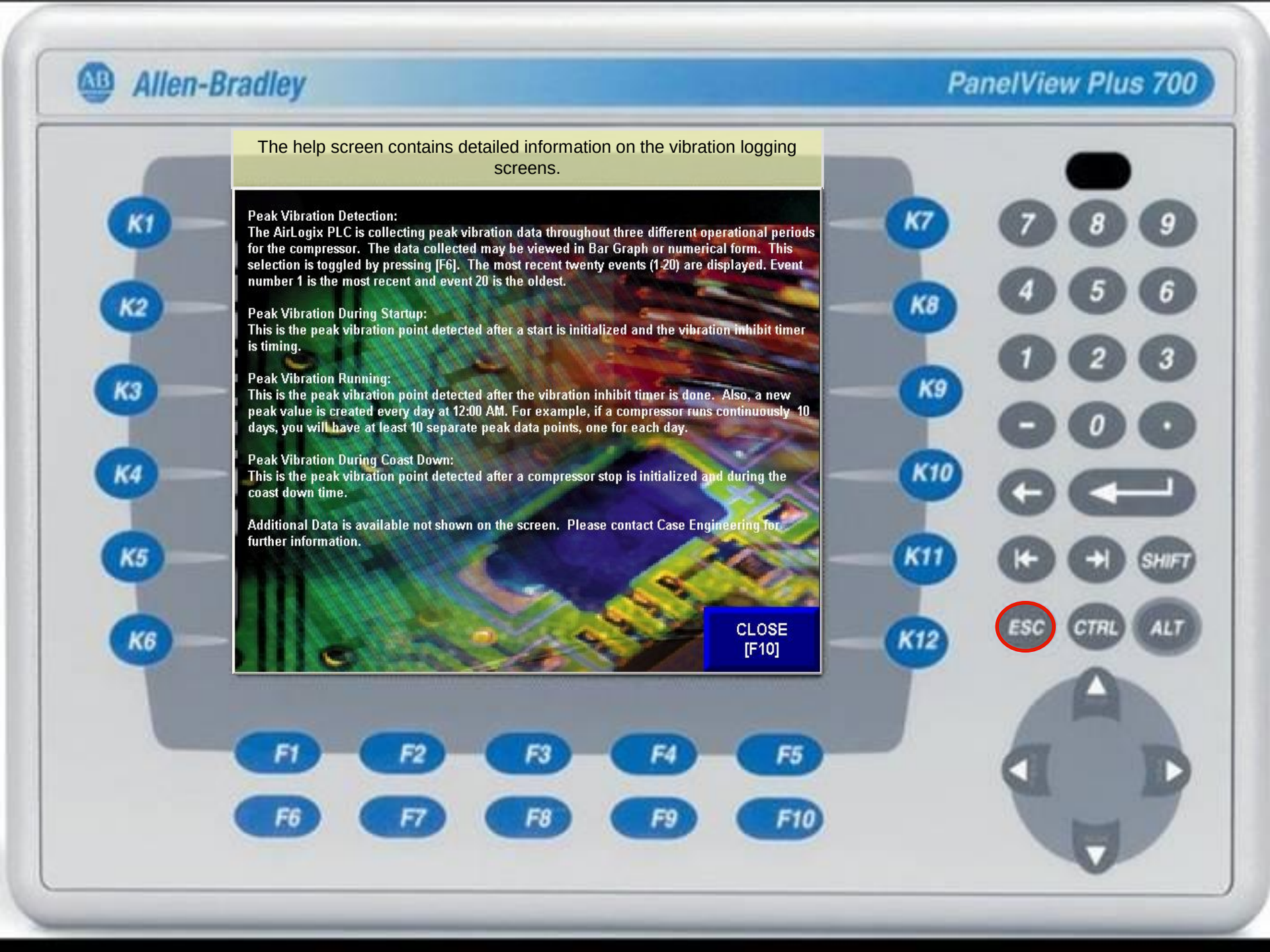


Every time the compressor is stopped AirLogix™ captures the peak vibration for each stage during coast down. The last 20 peaks are entered into a table for analysis.

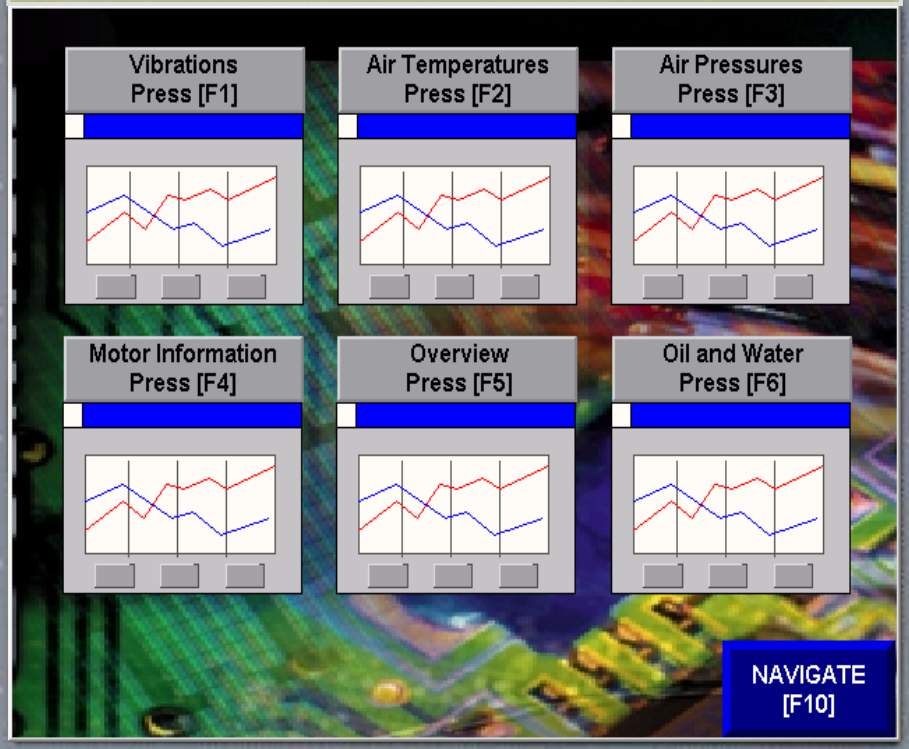



Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
Screen Info [F5]
VIEW GRAF [F6]
DATA [F7]
DATA [F8]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
ESC
CTRL
ALT
SHIFT

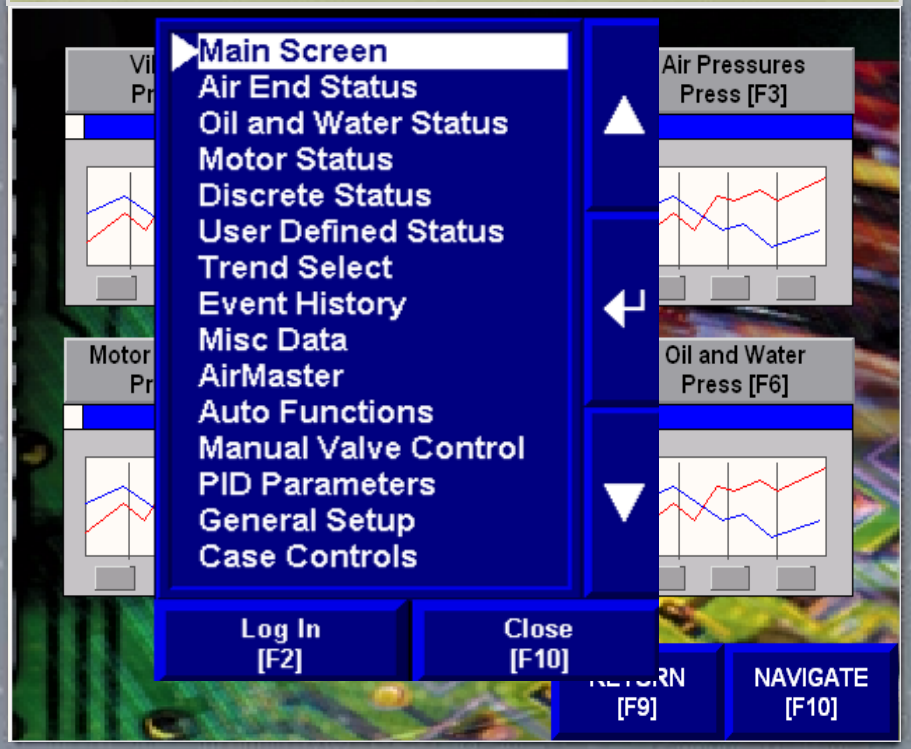
The help screen contains detailed information on the vibration logging screens.



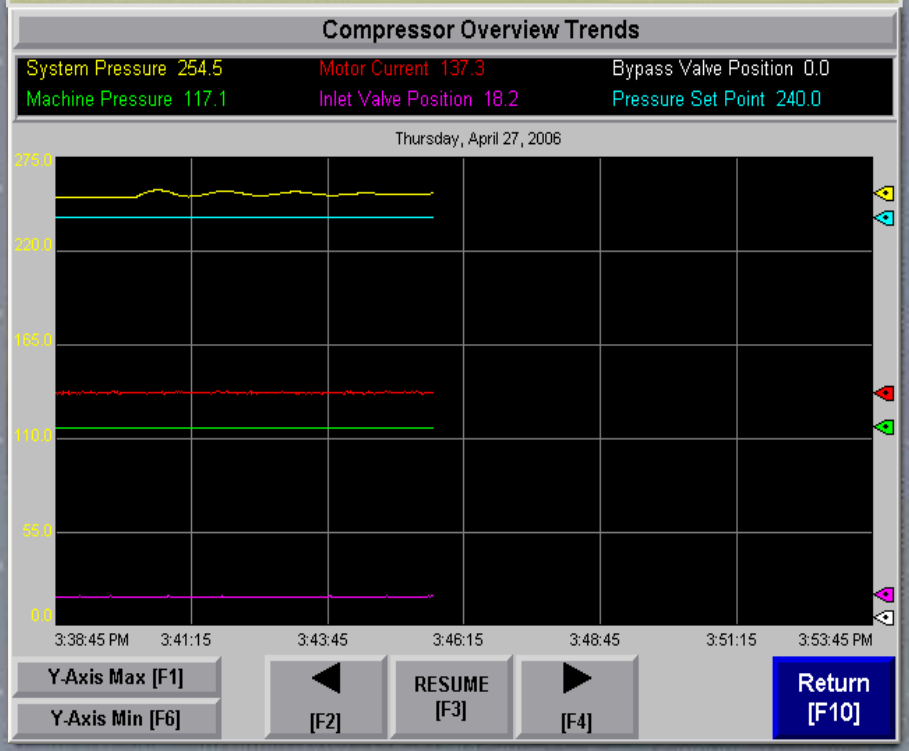
Live and historical data can be trended from the front panel. **Click the "Overview"** trend on the bottom middle for an illustration.



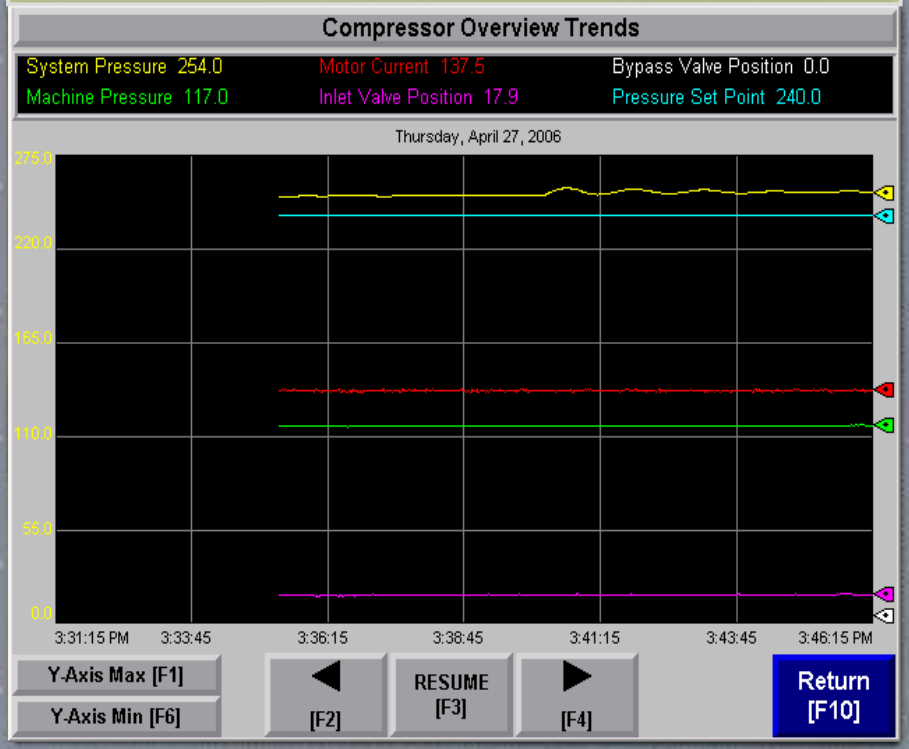
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.

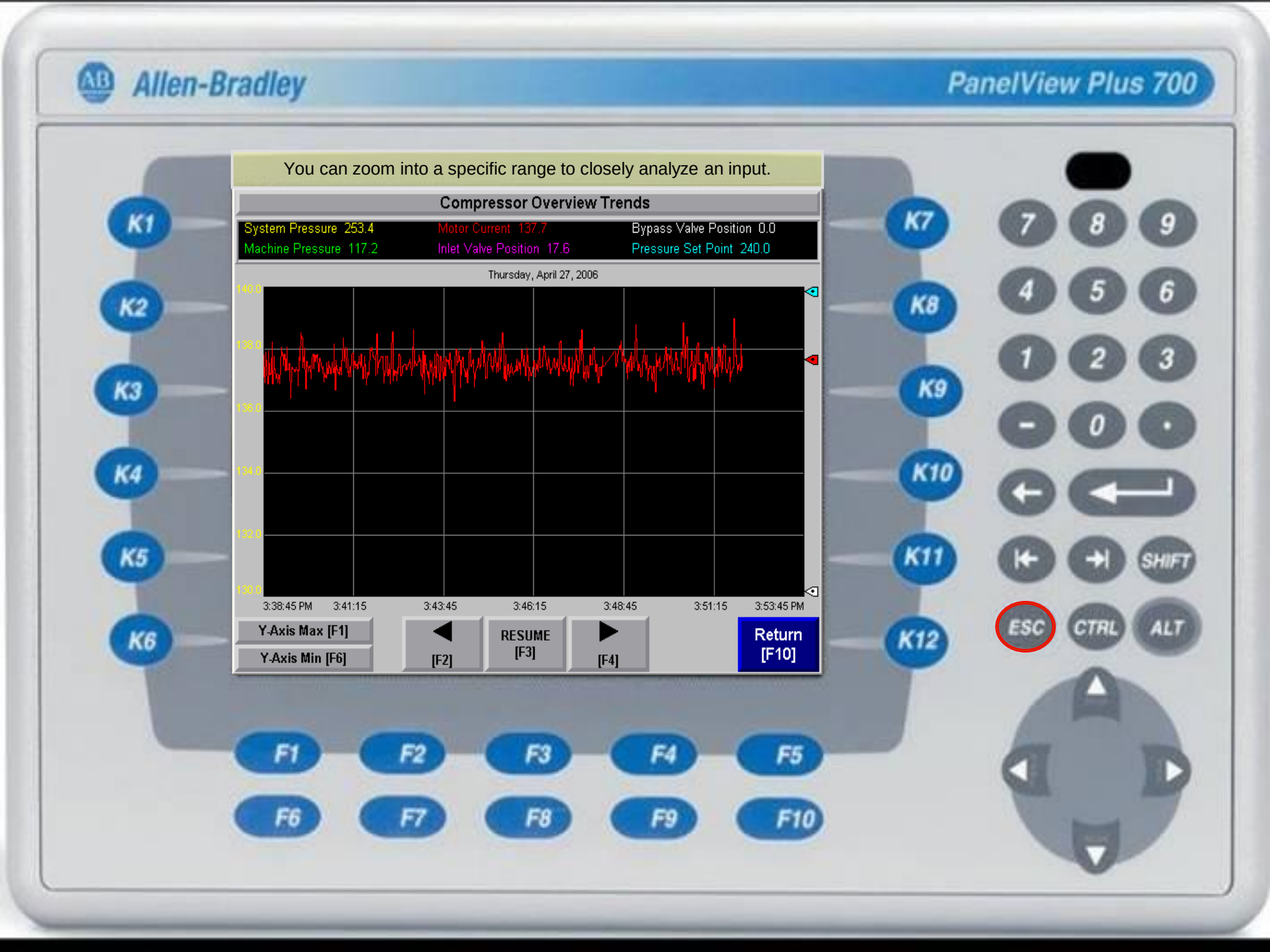


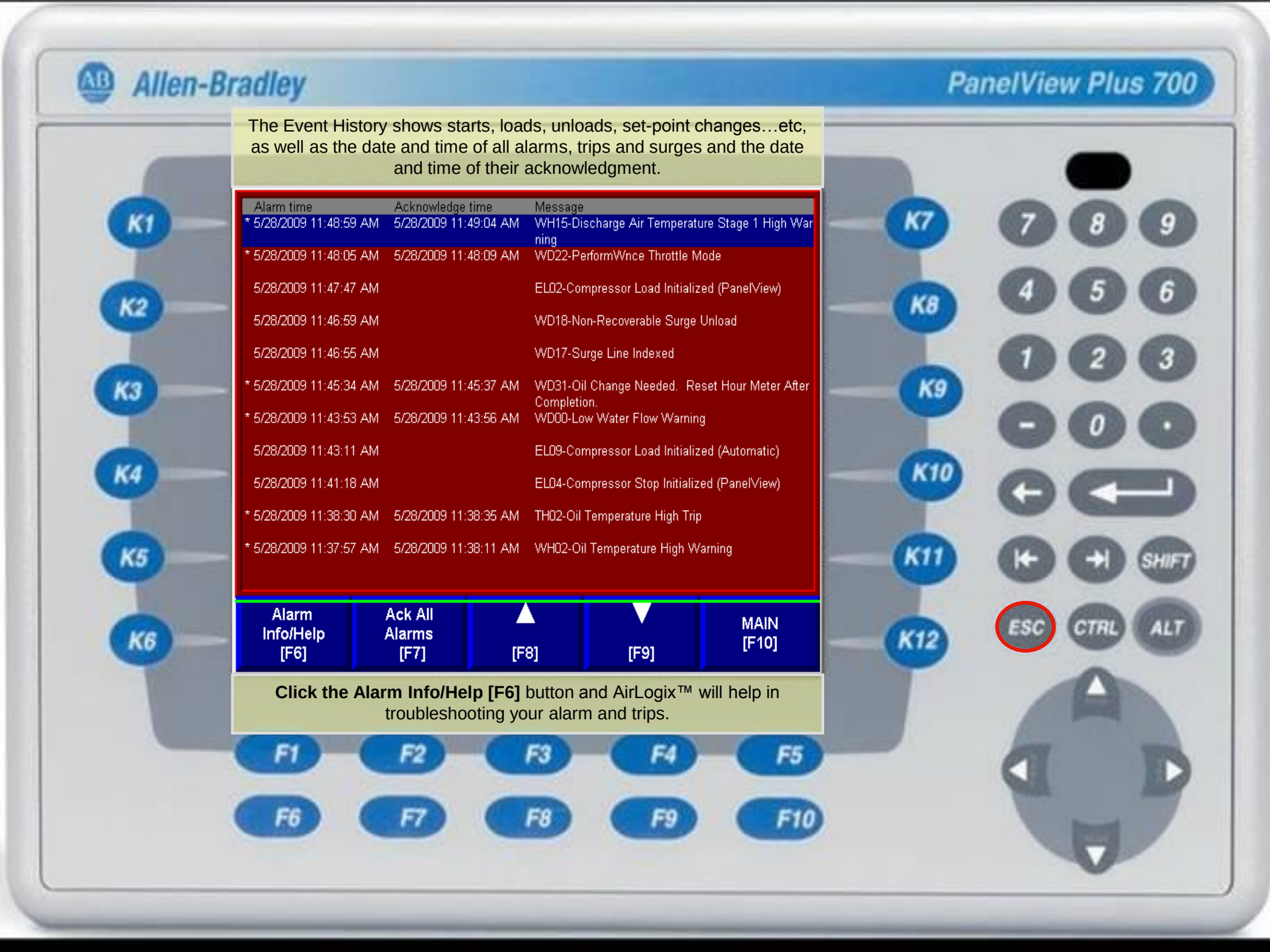
From here you can watch the machine criticals on a live trend. You can scroll back **[F2]** to see historical trending and you can zoom in **[Y-Axis Max/Y-Axis Min]** to see a close up of a particular input.



You can scroll back approximately 3 hours to view historical data that has been trended.




Allen-Bradley
PanelView Plus 700
You can zoom into a specific range to closely analyze an input.
Compressor Overview Trends
System Pressure 253.4
Motor Current 137.7
Bypass Valve Position 0.0
Machine Pressure 117.2
Inlet Valve Position 17.6
Pressure Set Point 240.0
Thursday, April 27, 2006
140.0
138.0
136.0
134.0
132.0
130.0
3:38:45 PM
3:41:15
3:43:45
3:46:15
3:48:45
3:51:15
3:53:45 PM
Y-Axis Max [F1]
Y-Axis Min [F6]
[F2]
RESUME [F3]
[F4]
Return [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10



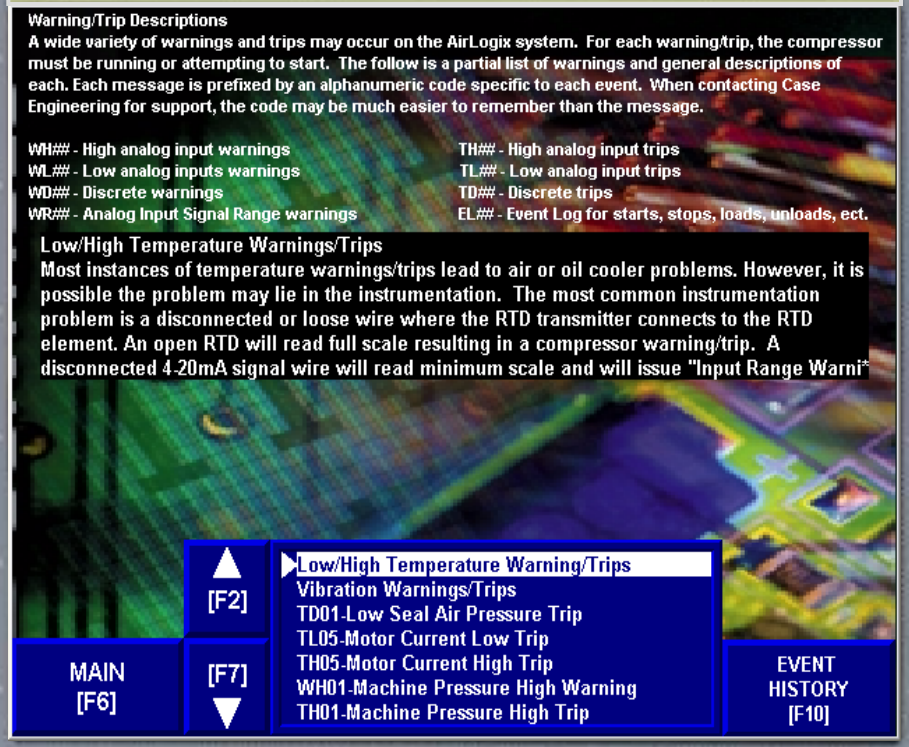
The Event History shows starts, loads, unloads, set-point changes…etc, as well as the date and time of all alarms, trips and surges and the date and time of their acknowledgment.

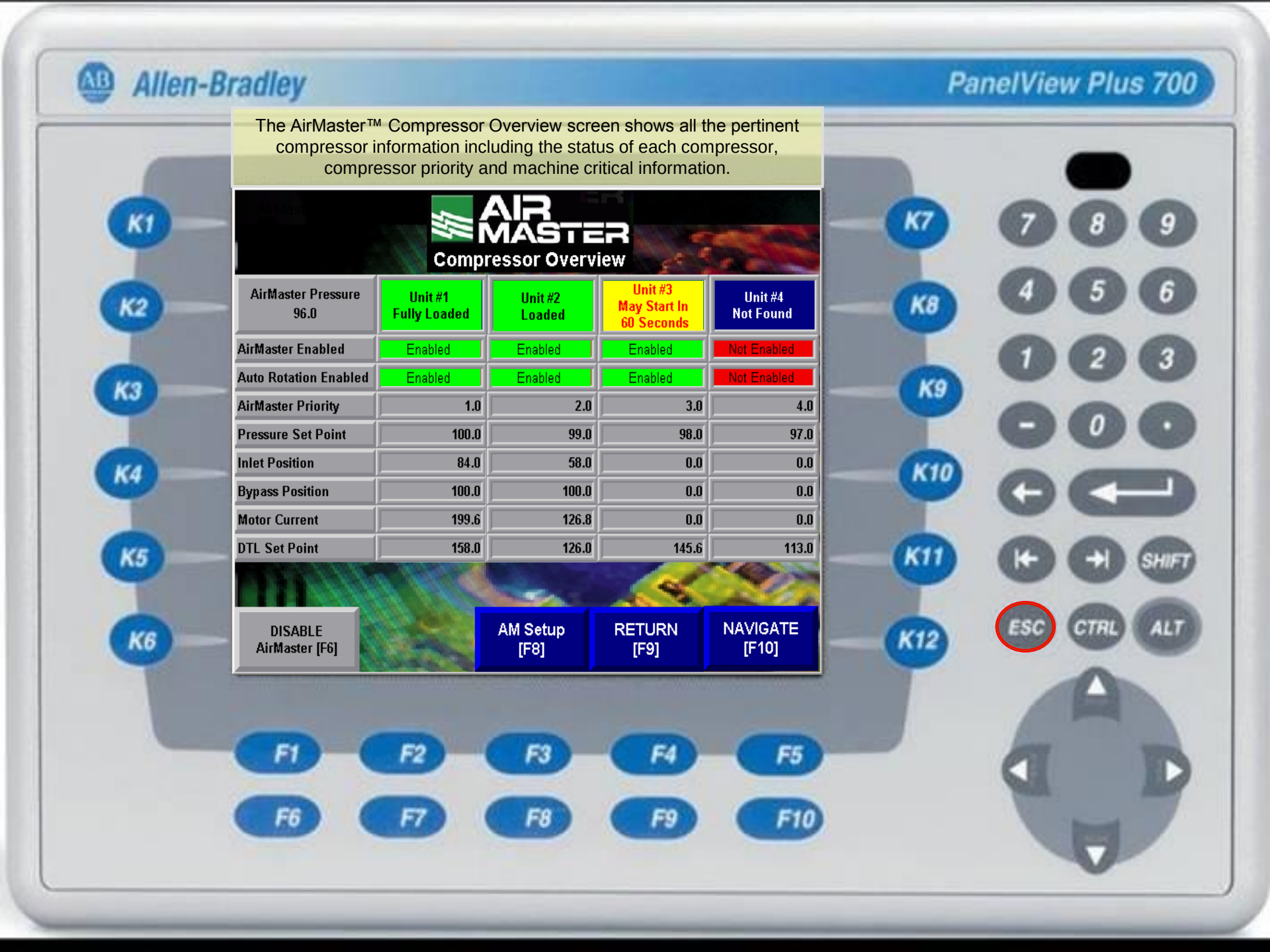
Alarm time	Acknowledge time	Message
* 5/28/2009 11:48:59 AM	5/28/2009 11:49:04 AM	WH15-Discharge Air Temperature Stage 1 High Warning
* 5/28/2009 11:48:05 AM	5/28/2009 11:48:09 AM	WD22-PerformWnce Throttle Mode
5/28/2009 11:47:47 AM		EL02-Compressor Load Initialized (PanelView)
5/28/2009 11:46:59 AM		WD18-Non-Recoverable Surge Unload
5/28/2009 11:46:55 AM		WD17-Surge Line Indexed
* 5/28/2009 11:45:34 AM	5/28/2009 11:45:37 AM	WD31-Oil Change Needed. Reset Hour Meter After Completion.
* 5/28/2009 11:43:53 AM	5/28/2009 11:43:56 AM	WD00-Low Water Flow Warning
5/28/2009 11:43:11 AM		EL09-Compressor Load Initialized (Automatic)
5/28/2009 11:41:18 AM		EL04-Compressor Stop Initialized (PanelView)
* 5/28/2009 11:38:30 AM	5/28/2009 11:38:35 AM	TH02-Oil Temperature High Trip
* 5/28/2009 11:37:57 AM	5/28/2009 11:38:11 AM	WH02-Oil Temperature High Warning

Alarm Info/Help [F6] | Ack All Alarms [F7] | ▲ [F8] | ▼ [F9] | MAIN [F10]

Click the Alarm Info/Help [F6] button and AirLogix™ will help in troubleshooting your alarm and trips.

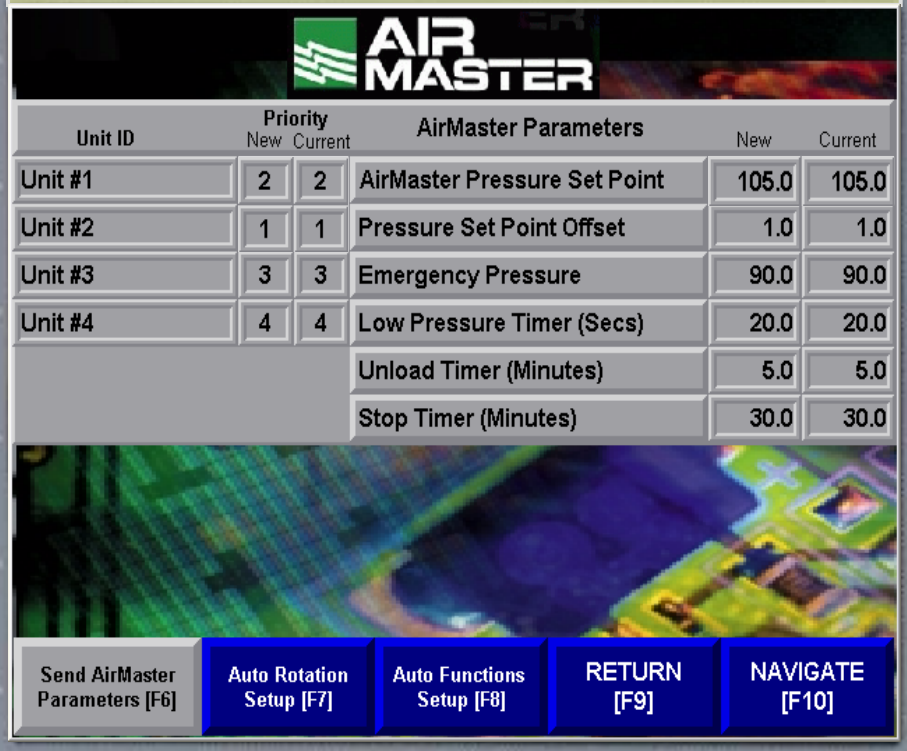
The Event History Help screen allows you to find help with some of the most common problems. Simply pick out the event from the list and AirLogix™ will display an explanation and some of the most common reason for the event.




Allen-Bradley
PanelView Plus 700
The AirMaster™ Compressor Overview screen shows all the pertinent compressor information including the status of each compressor, compressor priority and machine critical information.
AIR MASTER
Compressor Overview
AirMaster Pressure 96.0
Unit #1 Fully Loaded
Unit #2 Loaded
Unit #3 May Start In 60 Seconds
Unit #4 Not Found
AirMaster Enabled
Enabled
Enabled
Enabled
Not Enabled
Auto Rotation Enabled
Enabled
Enabled
Enabled
Not Enabled
AirMaster Priority
1.0
2.0
3.0
4.0
Pressure Set Point
100.0
99.0
98.0
97.0
Inlet Position
84.0
58.0
0.0
0.0
Bypass Position
100.0
100.0
0.0
0.0
Motor Current
199.6
126.8
0.0
0.0
DTL Set Point
158.0
126.0
145.6
113.0
DISABLE AirMaster [F6]
AM Setup [F8]
RETURN [F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT

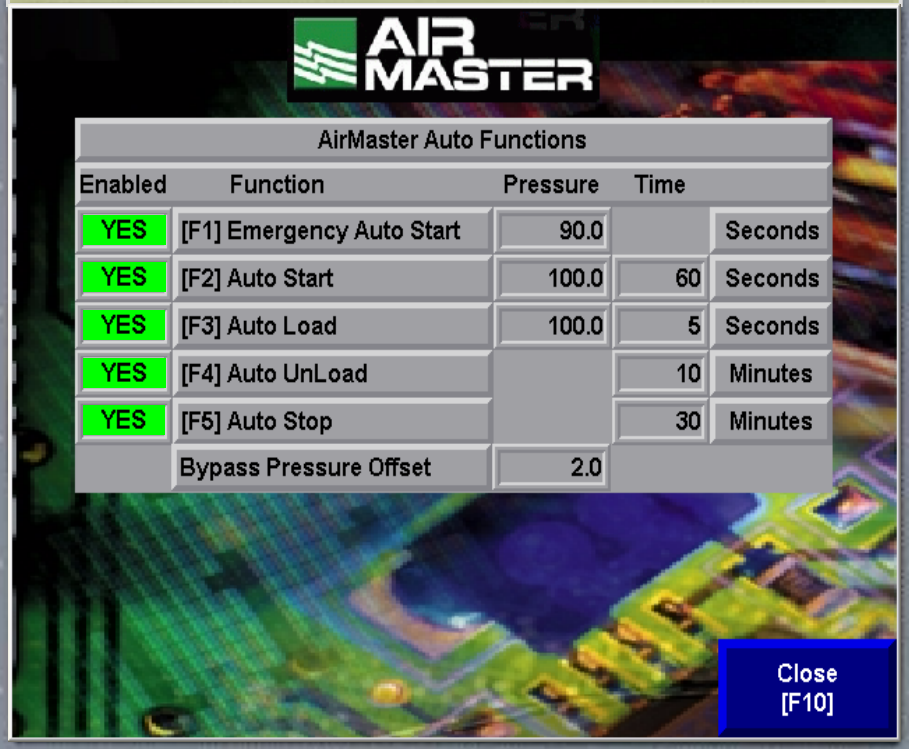

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by clicking on the topic or click Close [F10] to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
AirMaster Pre 96.0
Unit #4 Not Found
AirMaster Enabl
Not Enabled
Auto Rotation E
Not Enabled
AirMaster Priori
3.0
4.0
Pressure Set Po
98.0
97.0
Inlet Position
0.0
0.0
Bypass Position
0.0
0.0
Motor Current
0.1
0.0
DTL Set Point
98.0
113.0
DISABLE AirMaster [F6]
[F8]
[F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT

The AirMaster™ Parameters screen is used to send parameters across the network to other compressors. The new parameters are entered in the “New” column. Once transmitted, they are updated in the “Current” column

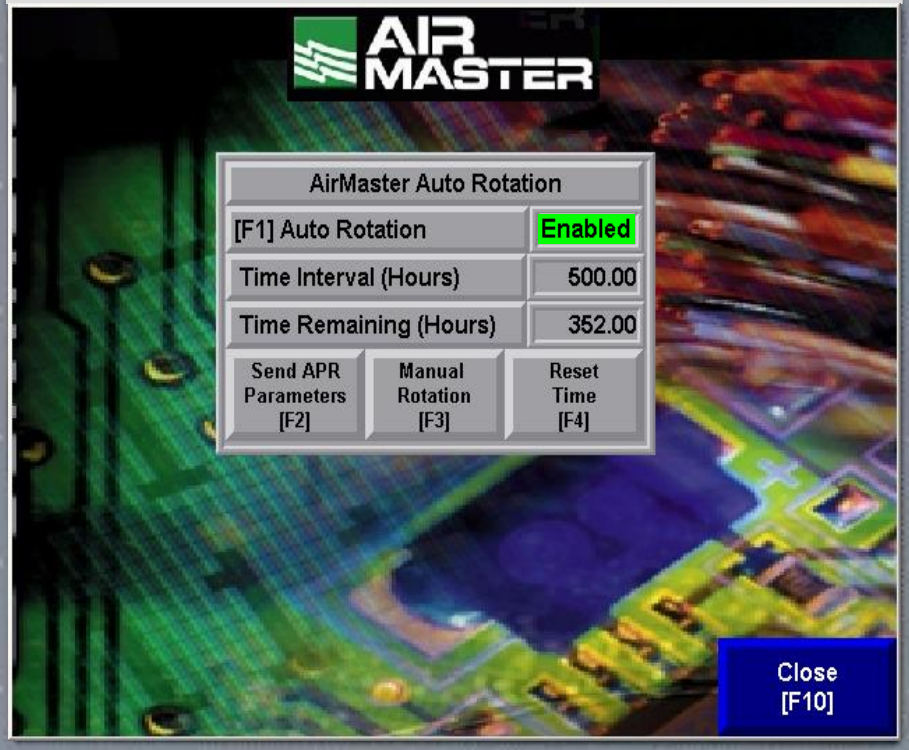


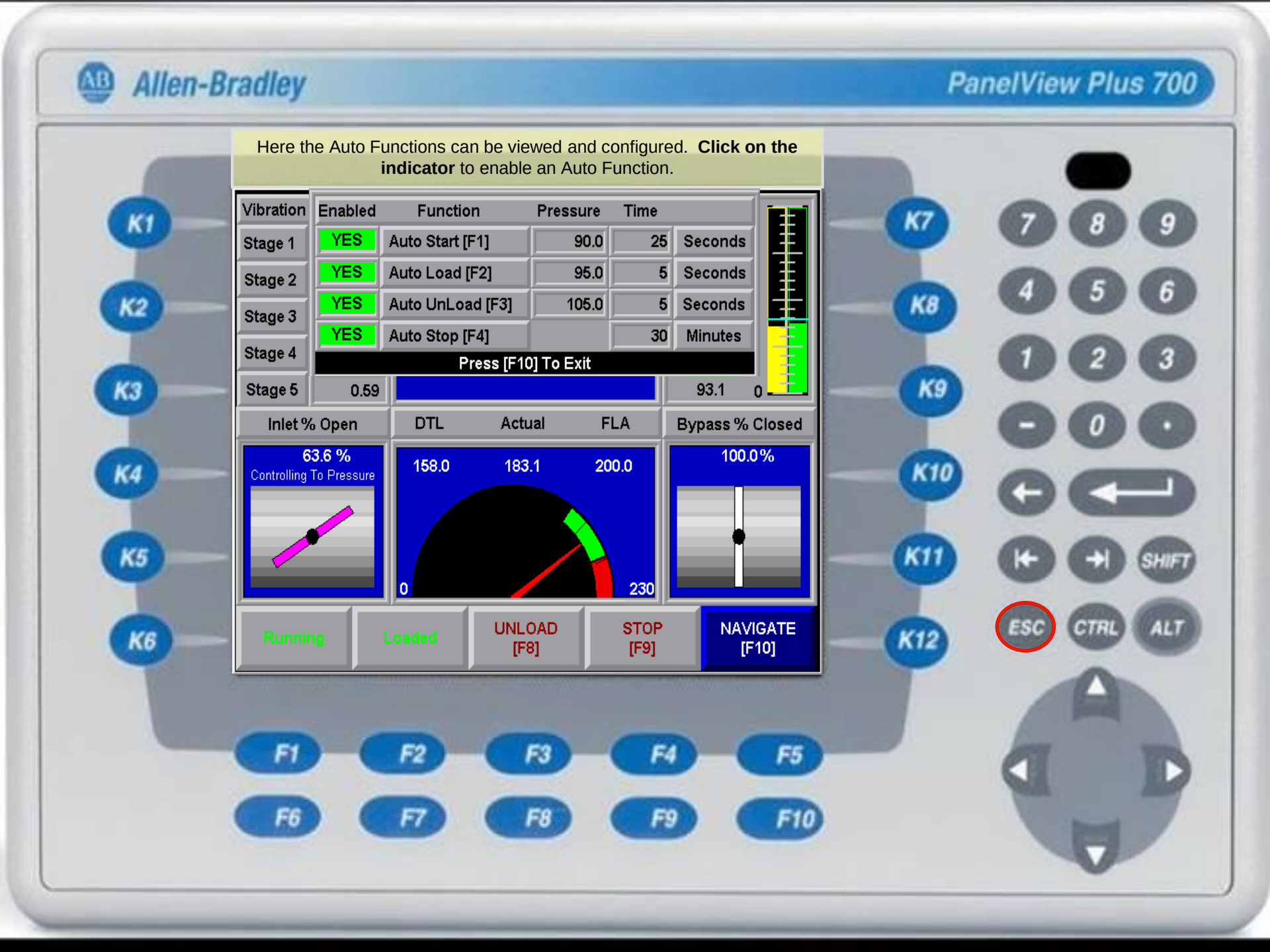

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
Unit ID
New
Current
Unit #1
105.0
100.0
Unit #2
1.0
1.0
Unit #3
90.0
90.0
Unit #4
20.0
20.0
5.0
5.0
30.0
30.0
Send AirMaster Parameters [F6]
Setup [F7]
Setup [F8]
[F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT

The AirMaster™ Auto Functions screen displays the auto functions set up in AirMaster™. The Bypass Pressure Offset is used to create a separate set point used by the bypass. This allows AirMaster™ to keep the bypass valve closed and avoid bypassing air.

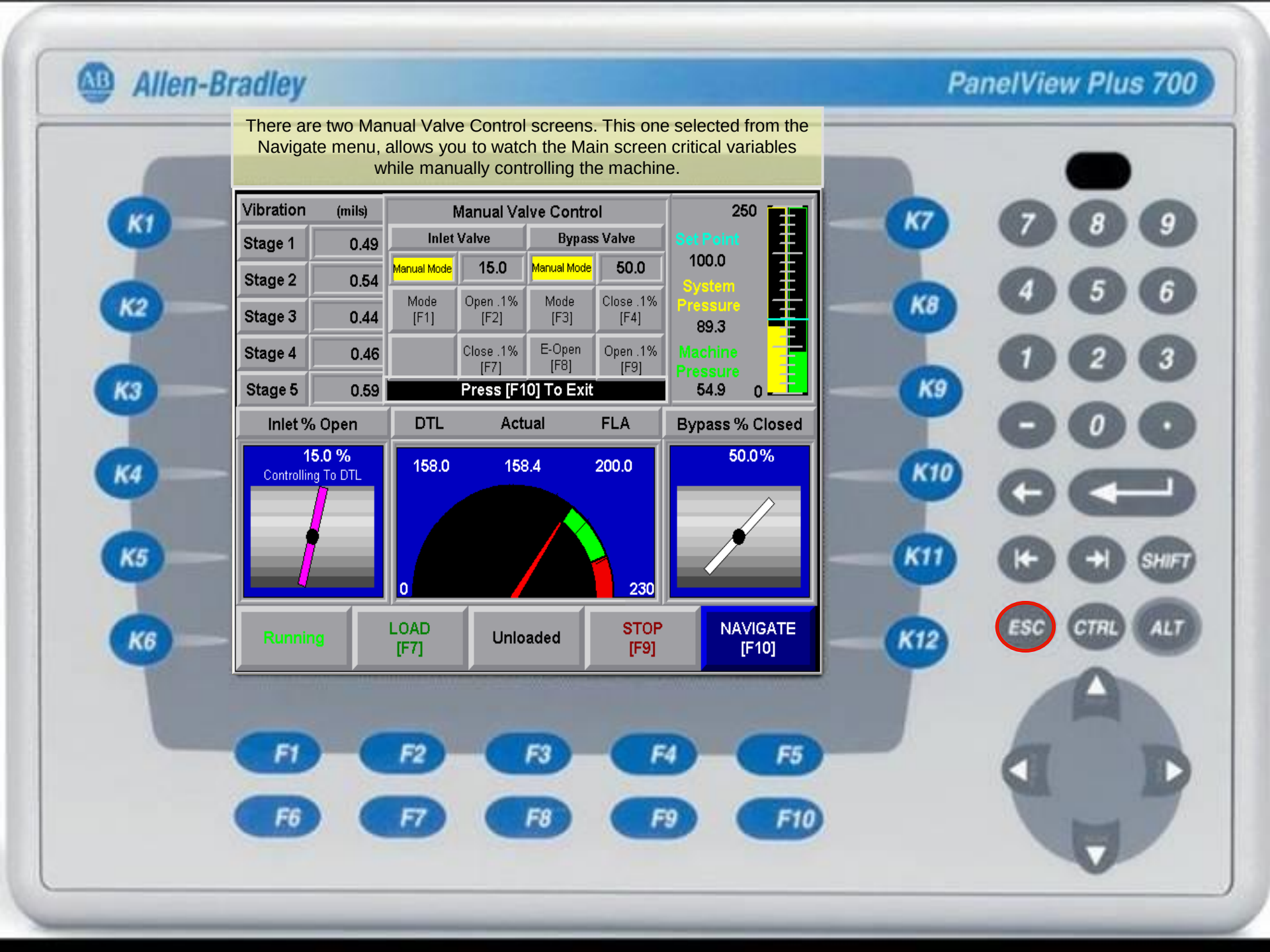


The AirMaster™ Auto Rotation screen shows the auto rotate configuration. This allows automatic priority rotation so that each compressor can share time as the lead.

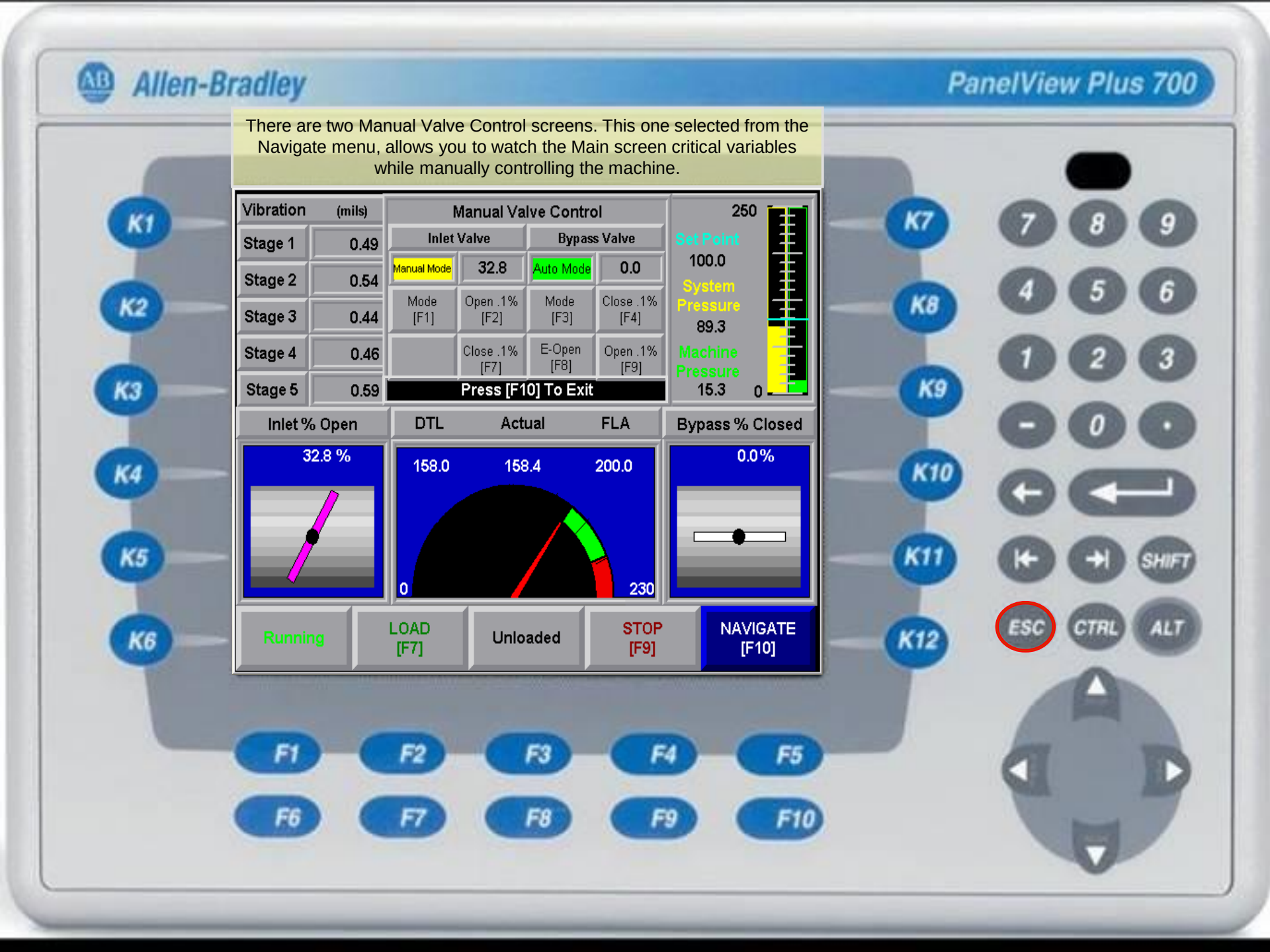



Allen-Bradley
PanelView Plus 700
Here the Auto Functions can be viewed and configured. Click on the indicator to enable an Auto Function.
Vibration
Enabled
Function
Pressure
Time
Stage 1
YES
Auto Start [F1]
90.0
25
Seconds
Stage 2
YES
Auto Load [F2]
95.0
5
Seconds
Stage 3
YES
Auto UnLoad [F3]
105.0
5
Seconds
Stage 4
YES
Auto Stop [F4]
30
Minutes
Press [F10] To Exit
Stage 5
0.59
93.1
0
Inlet % Open
DTL
Actual
FLA
Bypass % Closed
63.6 %
Controlling To Pressure
158.0
183.1
200.0
0
230
100.0 %
Running
Loaded
UNLOAD [F8]
STOP [F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT

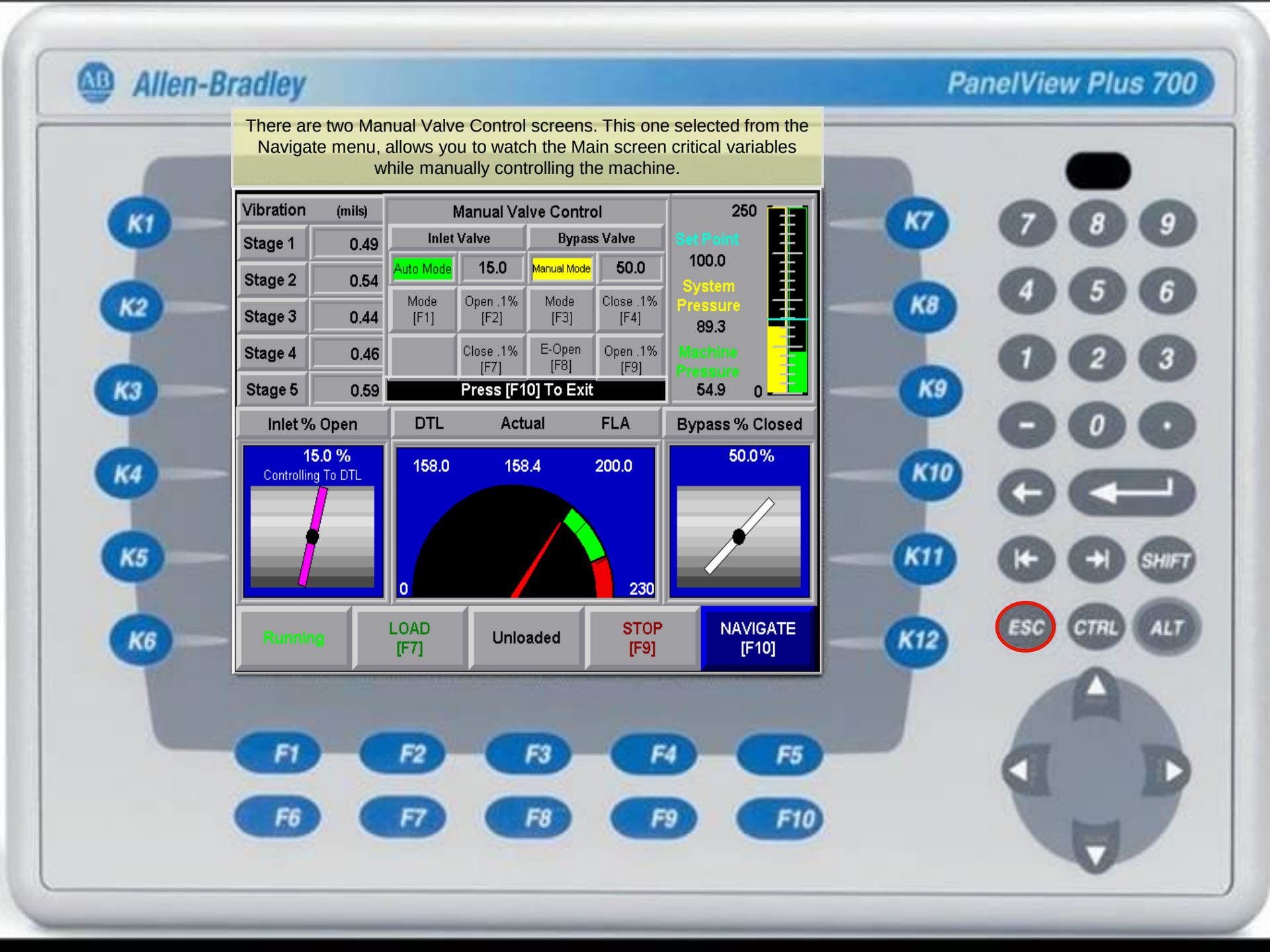

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Vibration
Stage 1
Stage 2
Stage 3
Stage 4
Stage 5
Seconds
Seconds
Seconds
Minutes
93.1
0
Inlet % C
Bypass % Closed
63.6
Controlling To
100.0%
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
Running
Loaded
[F8]
[F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
There are two Manual Valve Control screens. This one selected from the Navigate menu, allows you to watch the Main screen critical variables while manually controlling the machine.
Vibration (mils)
Stage 1 0.49
Stage 2 0.54
Stage 3 0.44
Stage 4 0.46
Stage 5 0.59
Manual Valve Control
Inlet Valve
Bypass Valve
Manual Mode 15.0
Manual Mode 50.0
Mode [F1]
Open .1% [F2]
Mode [F3]
Close .1% [F4]
Close .1% [F7]
E-Open [F8]
Open .1% [F9]
Press [F10] To Exit
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
54.9
0
Inlet % Open
15.0 %
Controlling To DTL
DTL
Actual
FLA
158.0
158.4
200.0
0
230
Bypass % Closed
50.0 %
Running
LOAD [F7]
Unloaded
STOP [F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT

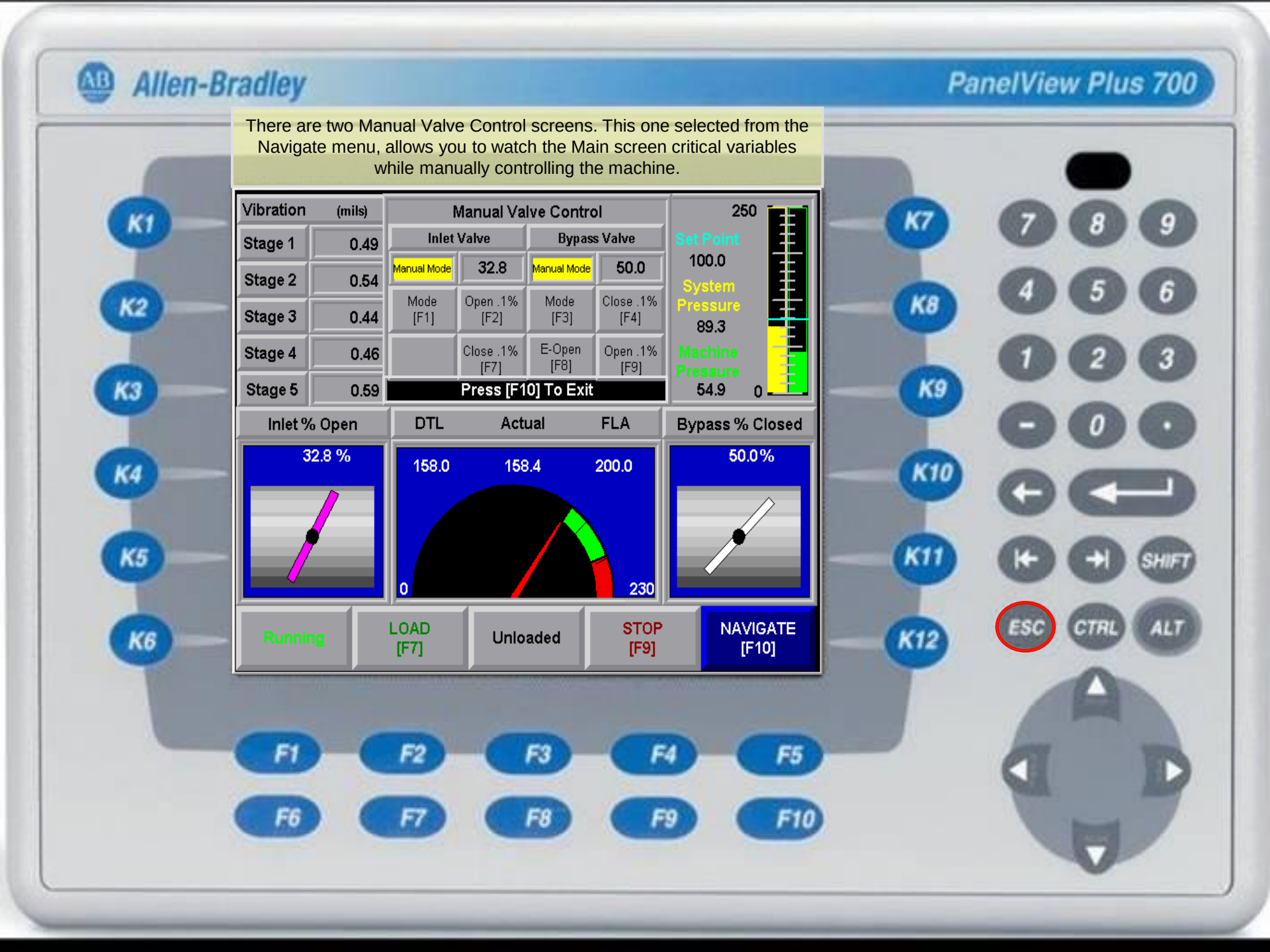

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Vibration
Stage 1
Stage 2
Stage 3
Stage 4
Stage 5
Inlet % C
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
54.9
0
Bypass % Closed
50.0%
Log In [F2]
Close [F10]
Running
[F7]
Unloaded
[F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
There are two Manual Valve Control screens. This one selected from the Navigate menu, allows you to watch the Main screen critical variables while manually controlling the machine.
Vibration (mils)
Stage 1 0.49
Stage 2 0.54
Stage 3 0.44
Stage 4 0.46
Stage 5 0.59
Manual Valve Control
Inlet Valve
Bypass Valve
Manual Mode 32.8 Auto Mode 0.0
Mode [F1] Open .1% [F2] Mode [F3] Close .1% [F4]
Close .1% [F7] E-Open [F8] Open .1% [F9]
Press [F10] To Exit
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
15.3
0
Inlet % Open
32.8 %
DTL
Actual
FLA
158.0
158.4
200.0
0
230
Bypass % Closed
0.0 %
Running
LOAD [F7]
Unloaded
STOP [F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT

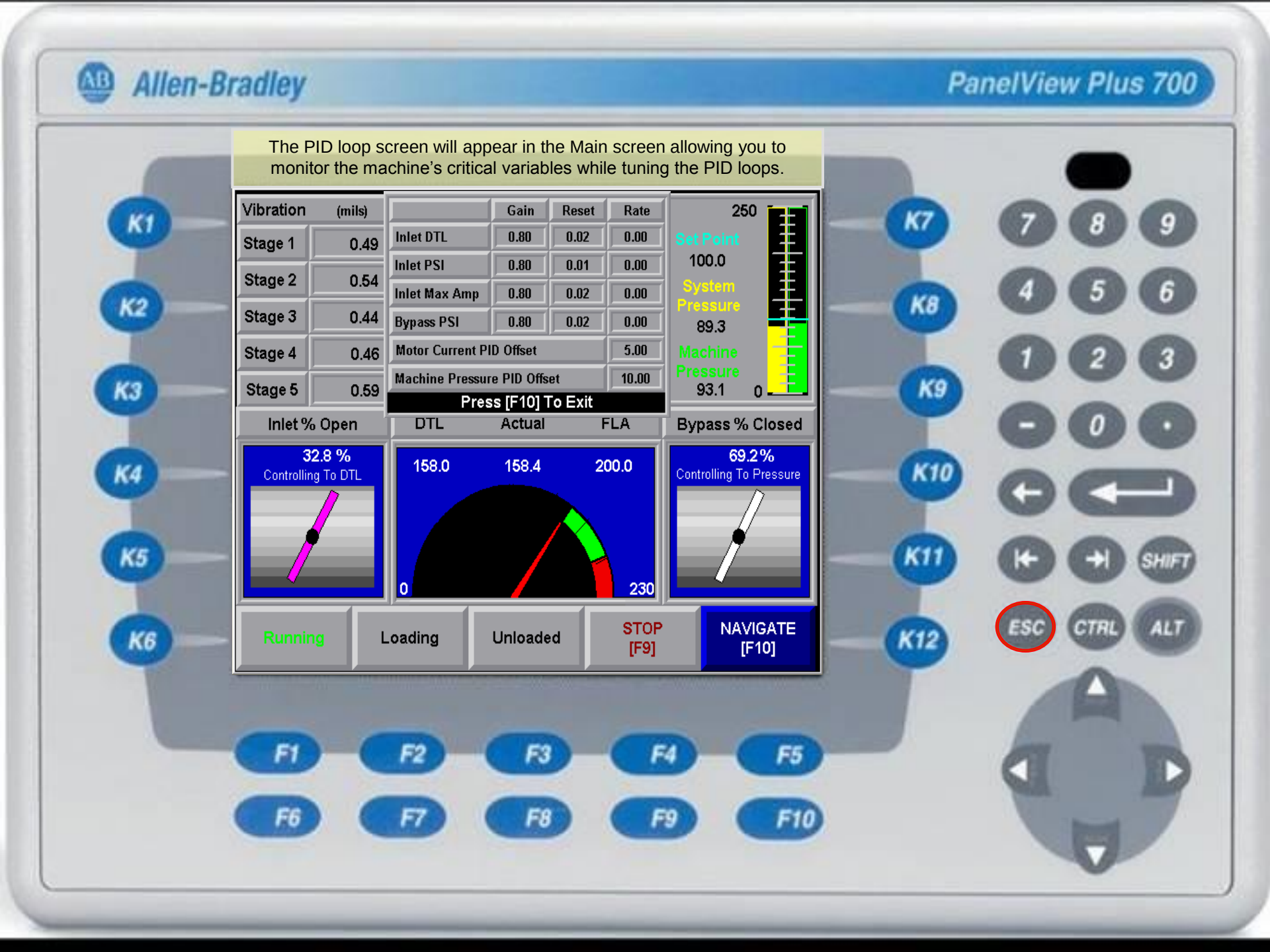

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Vibration
Stage 1
Stage 2
Stage 3
Stage 4
Stage 5
Inlet % C
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
15.3
0
Bypass % Closed
0.0%
Log In [F2]
Close [F10]
Running
[F7]
Unloaded
[F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
There are two Manual Valve Control screens. This one selected from the Navigate menu, allows you to watch the Main screen critical variables while manually controlling the machine.
Vibration (mils)
Stage 1 0.49
Stage 2 0.54
Stage 3 0.44
Stage 4 0.46
Stage 5 0.59
Manual Valve Control
Inlet Valve
Bypass Valve
Auto Mode
15.0
Manual Mode
50.0
Mode [F1]
Open .1% [F2]
Mode [F3]
Close .1% [F4]
Close .1% [F7]
E-Open [F8]
Open .1% [F9]
Press [F10] To Exit
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
54.9
0
Inlet % Open
15.0 %
Controlling To DTL
DTL
Actual
FLA
158.0
158.4
200.0
0
230
Bypass % Closed
50.0 %
Running
LOAD [F7]
Unloaded
STOP [F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT

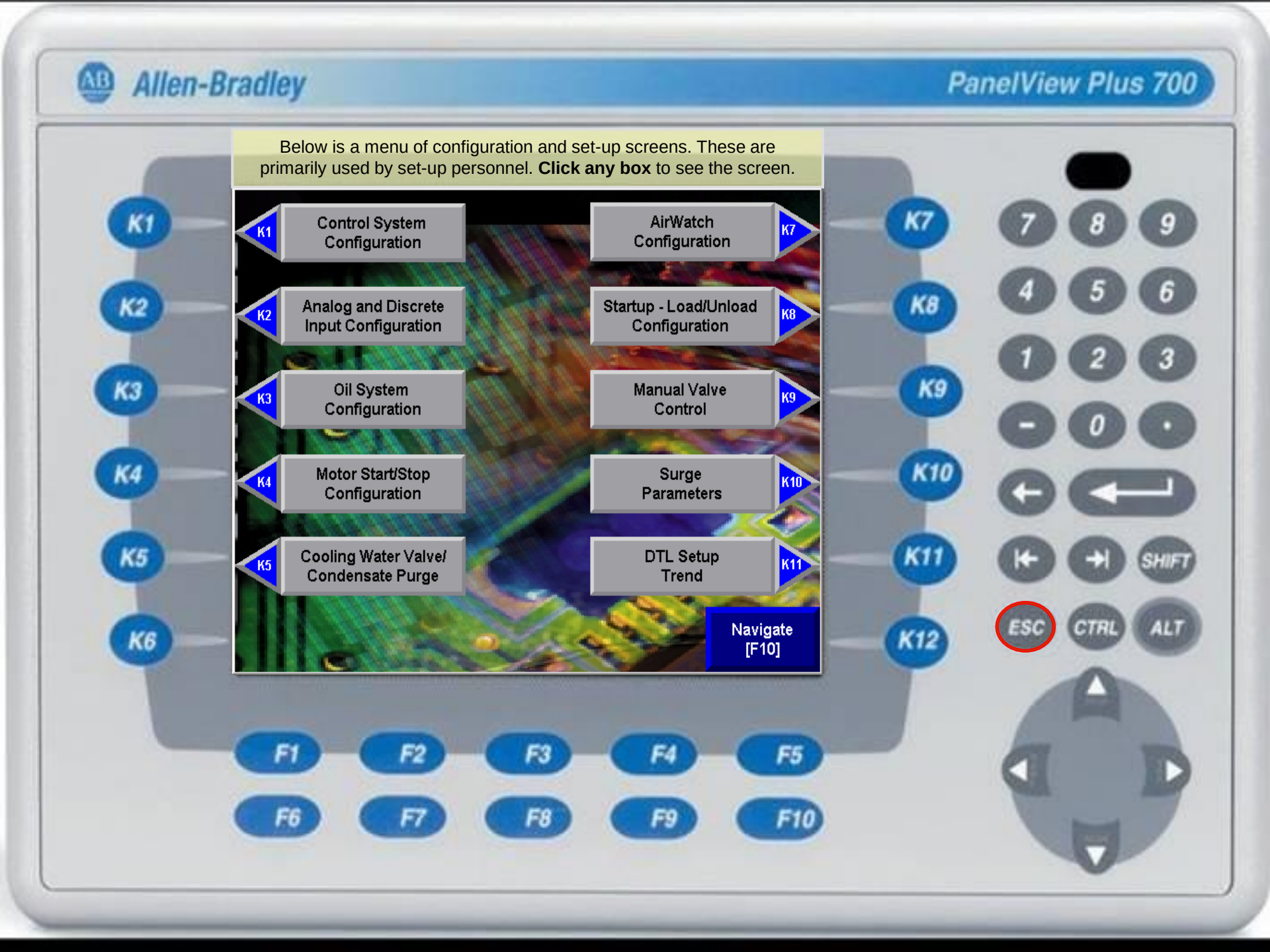

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Vibration
Stage 1
Stage 2
Stage 3
Stage 4
Stage 5
Inlet % C
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
54.9
0
Bypass % Closed
50.0%
Log In [F2]
Close [F10]
Running
[F7]
Unloaded
[F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT

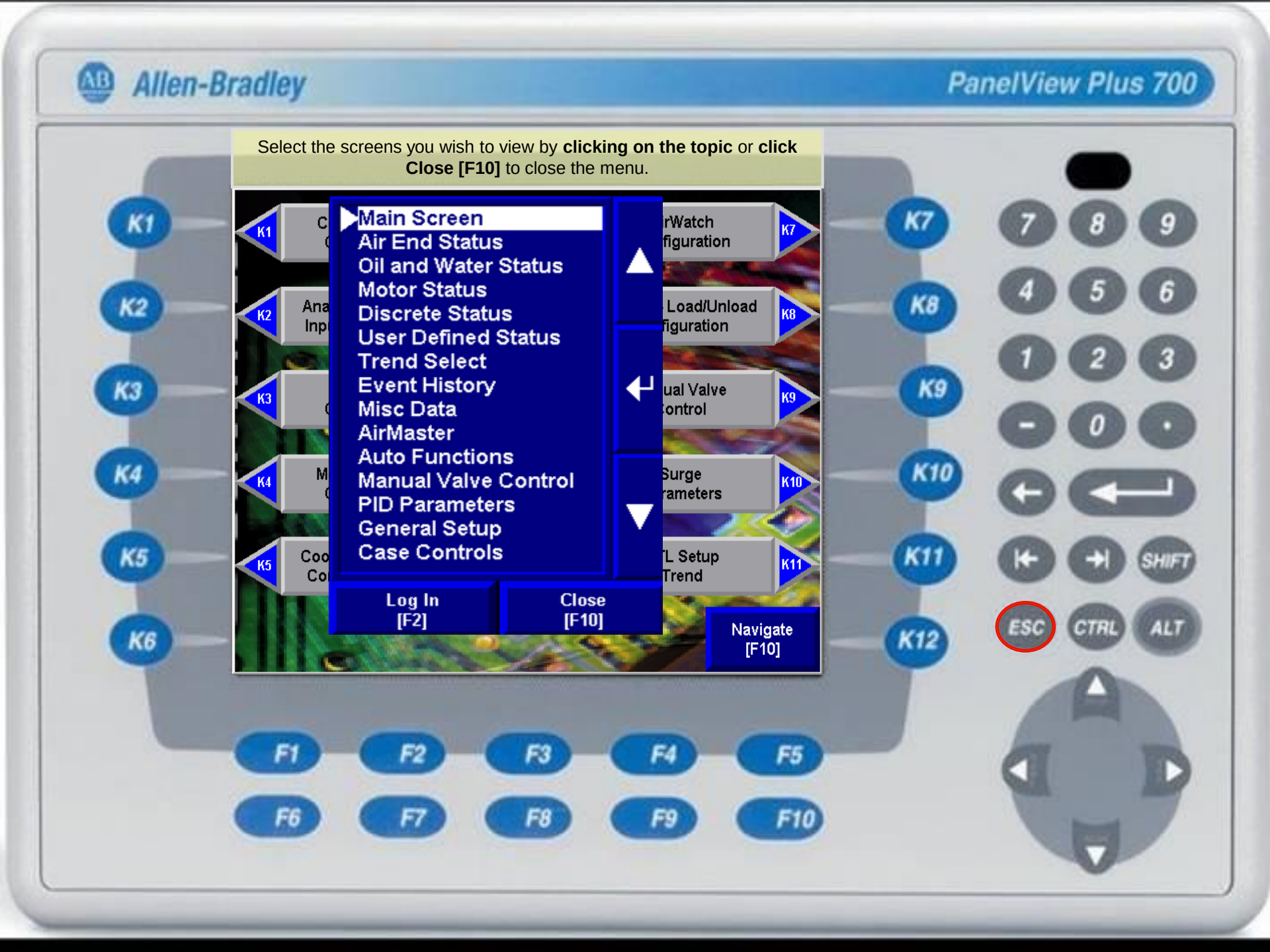

Allen-Bradley
PanelView Plus 700
There are two Manual Valve Control screens. This one selected from the Navigate menu, allows you to watch the Main screen critical variables while manually controlling the machine.
Vibration (mils)
Stage 1 0.49
Stage 2 0.54
Stage 3 0.44
Stage 4 0.46
Stage 5 0.59
Manual Valve Control
Inlet Valve
Bypass Valve
Manual Mode 32.8
Manual Mode 50.0
Mode [F1]
Open .1% [F2]
Mode [F3]
Close .1% [F4]
Close .1% [F7]
E-Open [F8]
Open .1% [F9]
Press [F10] To Exit
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
54.9
0
Inlet % Open
32.8 %
DTL
Actual
FLA
158.0
158.4
200.0
0
230
Bypass % Closed
50.0 %
Running
LOAD [F7]
Unloaded
STOP [F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Vibration
Stage 1
Stage 2
Stage 3
Stage 4
Stage 5
Inlet % C
32.8
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
54.9
0
Bypass % Closed
50.0%
Running
[F7]
Unloaded
[F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT

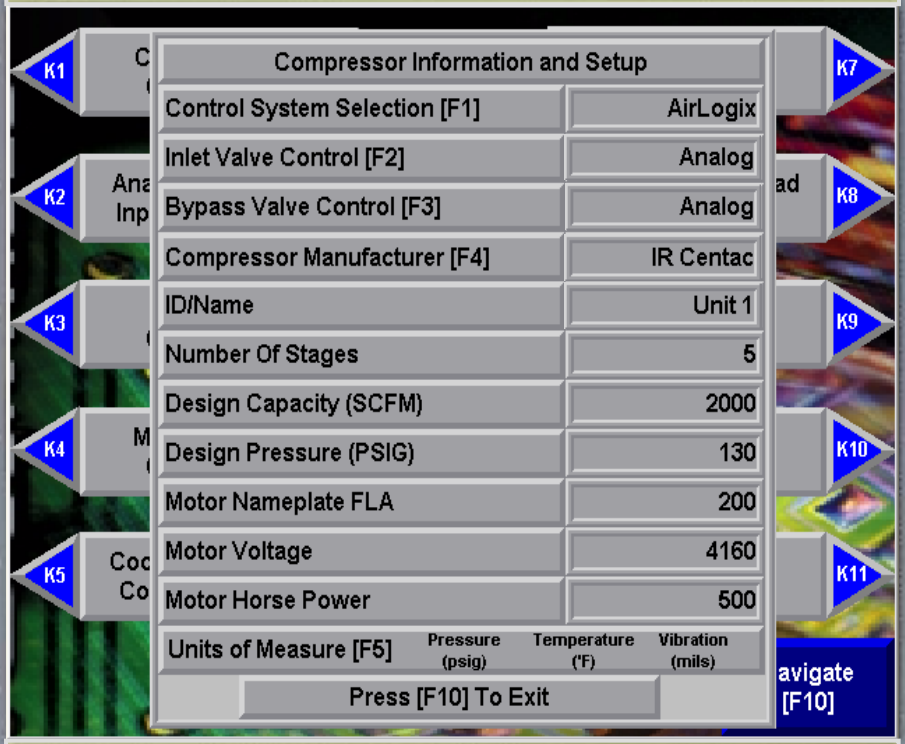

Allen-Bradley
PanelView Plus 700
The PID loop screen will appear in the Main screen allowing you to monitor the machine's critical variables while tuning the PID loops.
Vibration (mils)
Stage 1 0.49
Stage 2 0.54
Stage 3 0.44
Stage 4 0.46
Stage 5 0.59
Gain Reset Rate
Inlet DTL 0.80 0.02 0.00
Inlet PSI 0.80 0.01 0.00
Inlet Max Amp 0.80 0.02 0.00
Bypass PSI 0.80 0.02 0.00
Motor Current PID Offset 5.00
Machine Pressure PID Offset 10.00
Press [F10] To Exit
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
93.1
0
Inlet % Open
32.8 %
Controlling To DTL
DTL Actual FLA
158.0 158.4 200.0
0 230
Bypass % Closed
69.2 %
Controlling To Pressure
Running
Loading
Unloaded
STOP [F9]
NAVIGATE [F10]
K1 K2 K3 K4 K5 K6 K7 K8 K9 K10 K11 K12
F1 F2 F3 F4 F5 F6 F7 F8 F9 F10
7 8 9 4 5 6 1 2 3 - 0 .
SHIFT
ESC CTRL ALT


Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Vibration
Stage 1
Stage 2
Stage 3
Stage 4
Stage 5
Inlet % C
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
250
Set Point
100.0
System Pressure
89.3
Machine Pressure
93.1
0
Bypass % Closed
69.2%
Controlling To Pressure
Running
Loading
Unloaded
[F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
Below is a menu of configuration and set-up screens. These are primarily used by set-up personnel. Click any box to see the screen.
K1
Control System Configuration
K2
Analog and Discrete Input Configuration
K3
Oil System Configuration
K4
Motor Start/Stop Configuration
K5
Cooling Water Valve/ Condensate Purge
K7
AirWatch Configuration
K8
Startup - Load/Unload Configuration
K9
Manual Valve Control
K10
Surge Parameters
K11
DTL Setup Trend
Navigate [F10]
K6
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by clicking on the topic or click Close [F10] to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
Navigate [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
ESC
CTRL
ALT
SHIFT

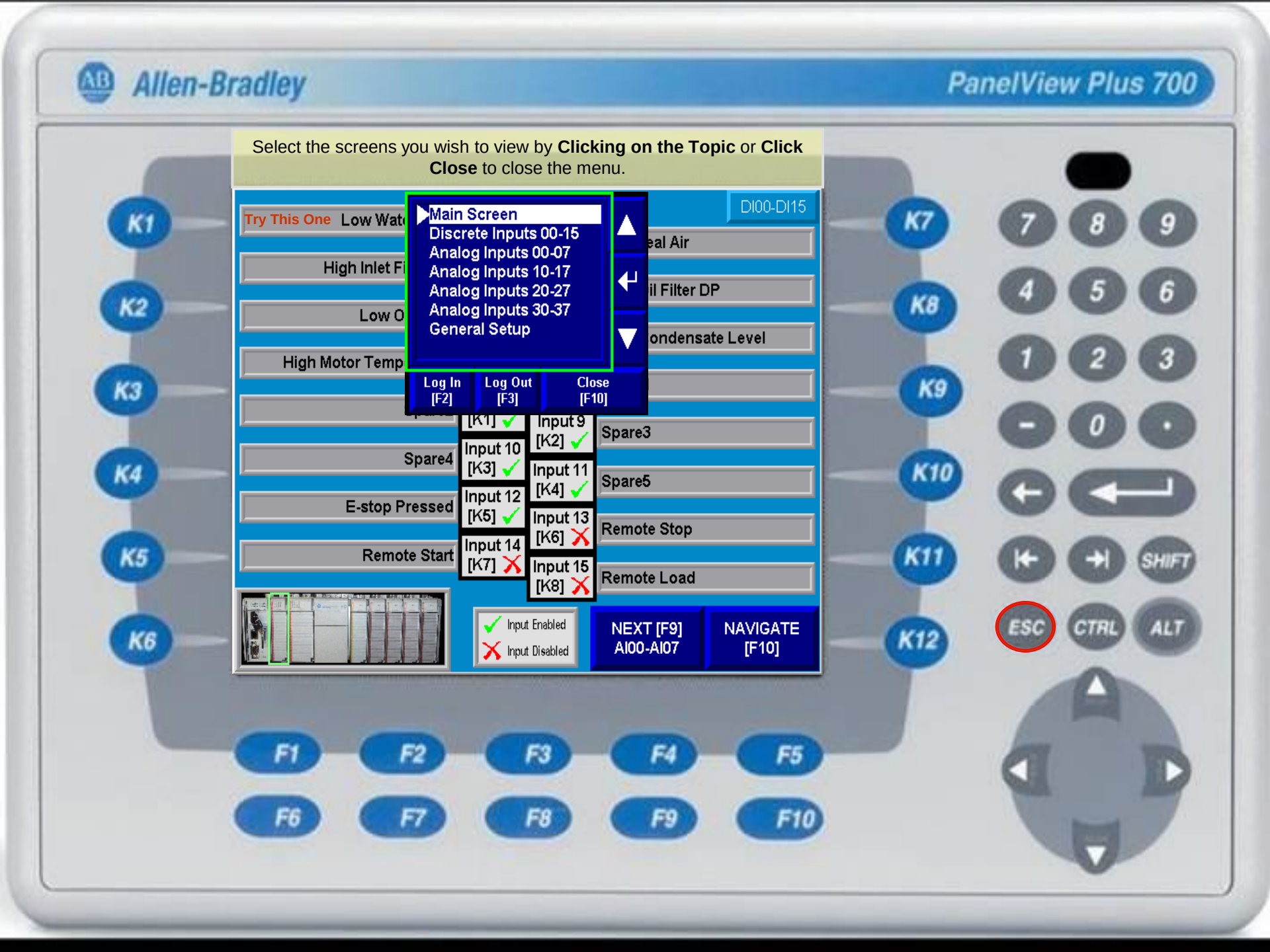
This screen contains basic compressor set-up information. From here the name of the compressor can be changed.

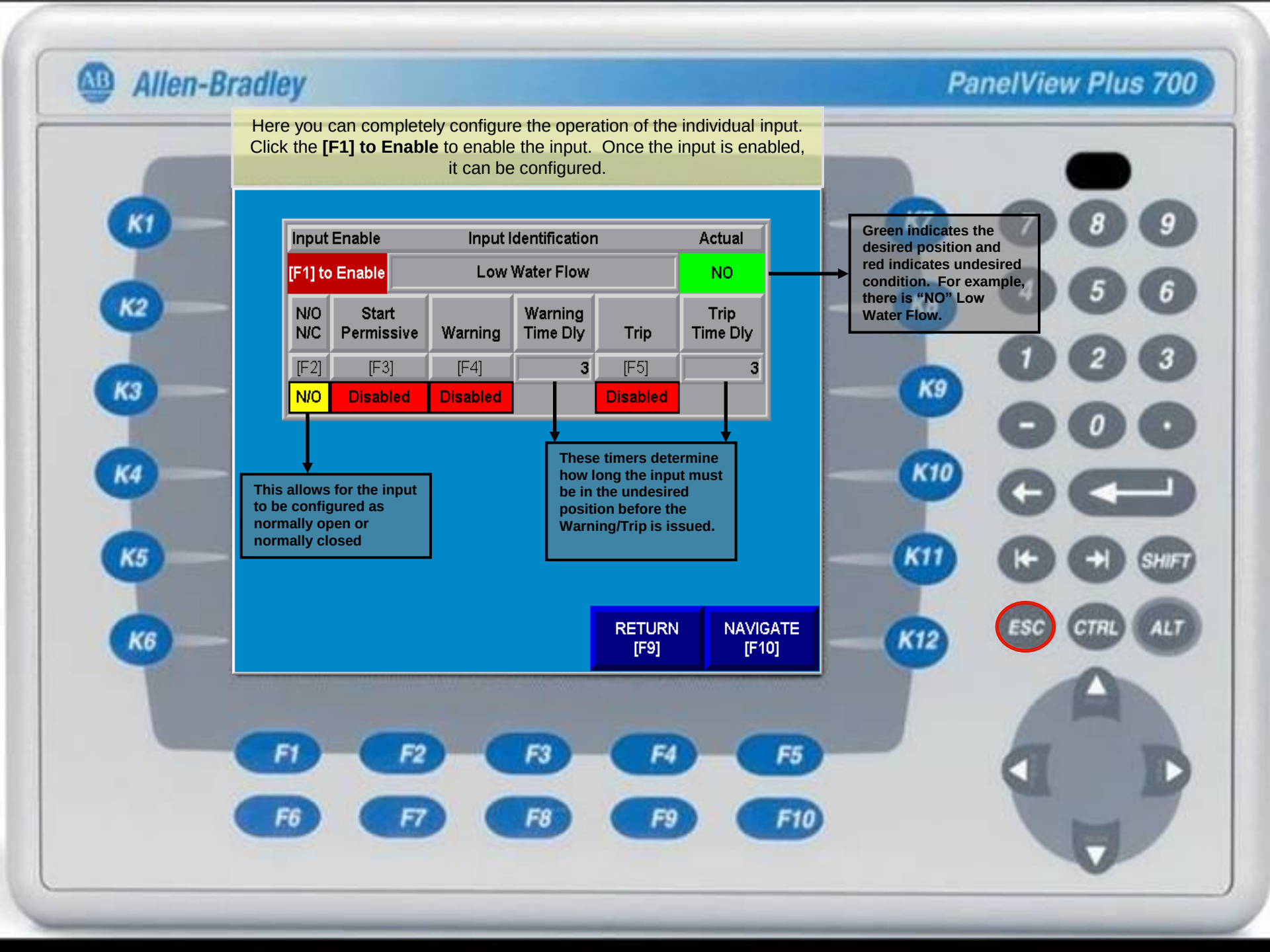


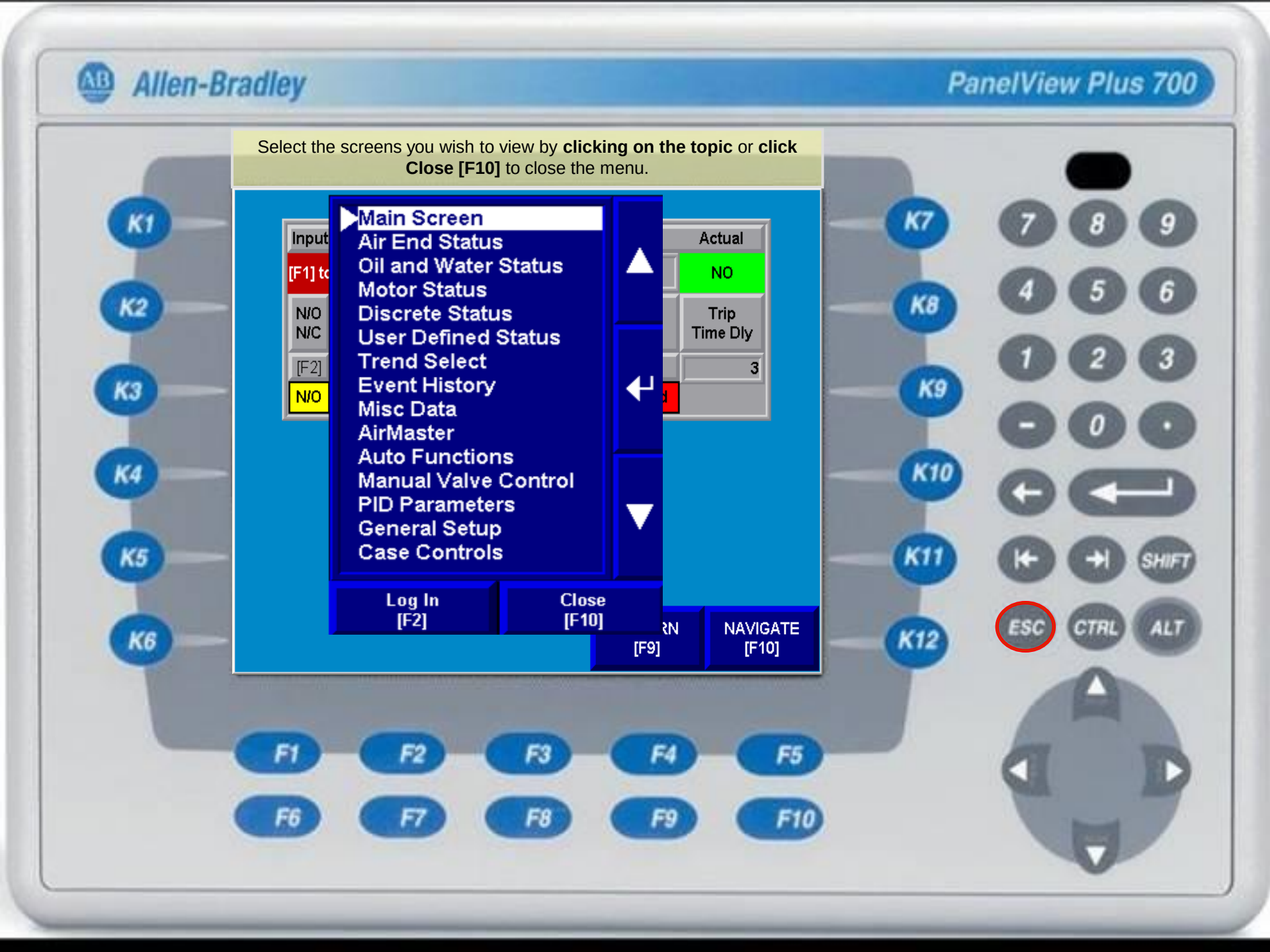
This screen is also used to setup the valve configuration. You can also change the type of compressor.

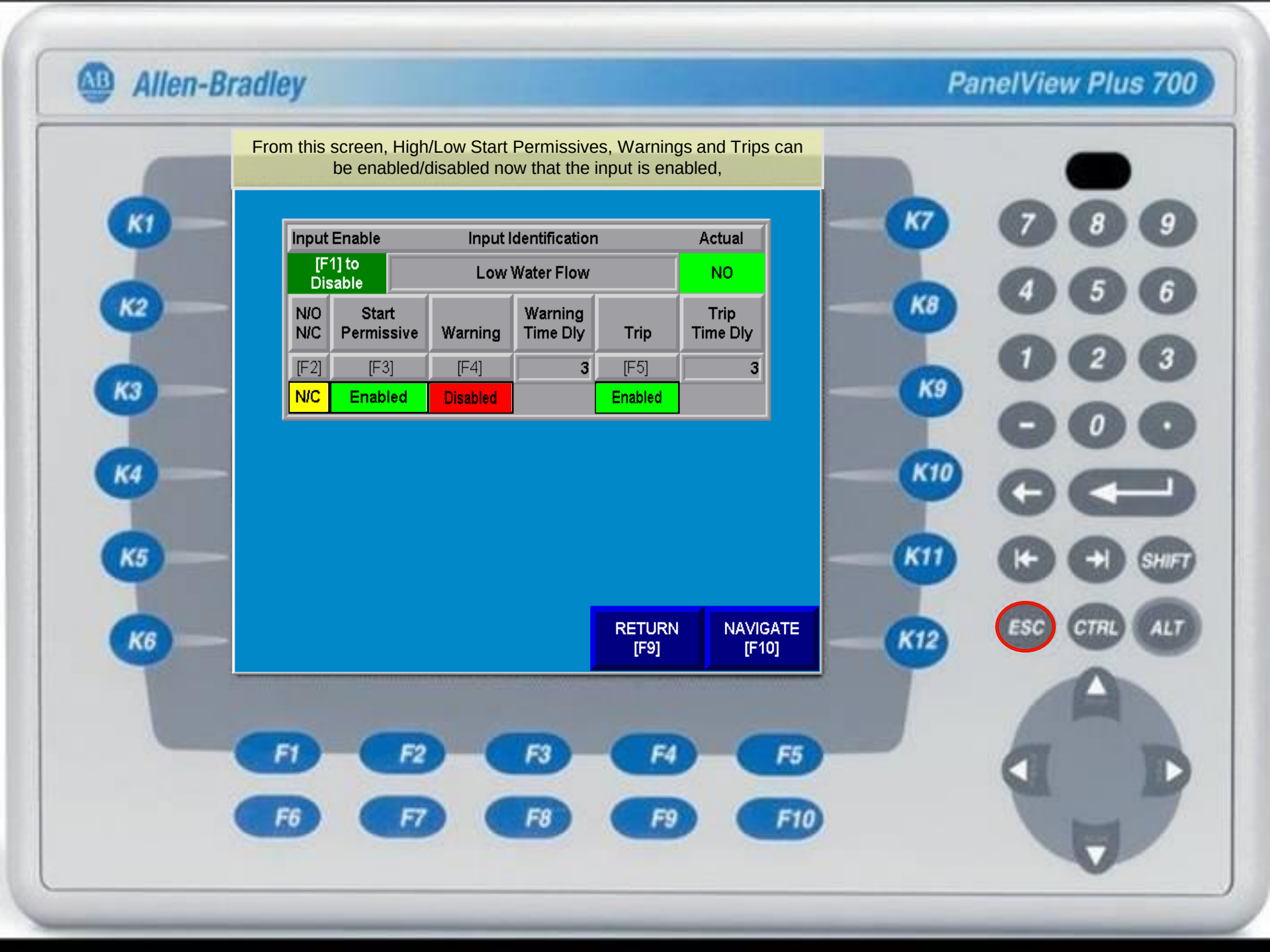
All inputs are fully configurable. All set points can be enabled, disabled and changed. The inputs, with the exception of the machine criticals, can even be renamed. **Click the Low Water Flow input** to see a detailed input configuration.

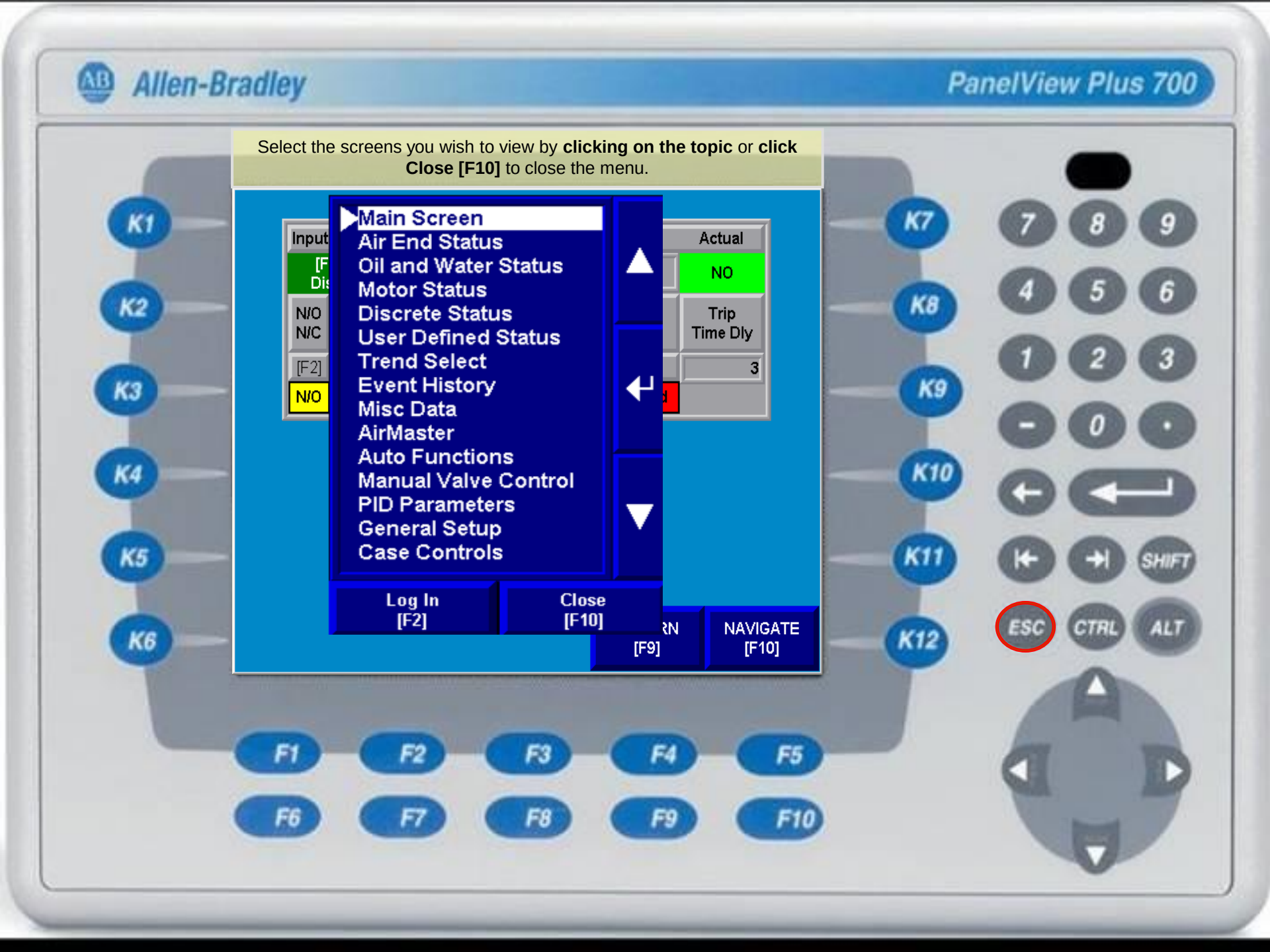
Click "Next [F9] AI00-AI07 to view other modules and their associated inputs. **Click "Navigate [F10]"** to skip to a particular module or return to the Main screen.


Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **Clicking on the Topic** or **Click Close** to close the menu.
Main Screen
Discrete Inputs 00-15
Analog Inputs 00-07
Analog Inputs 10-17
Analog Inputs 20-27
Analog Inputs 30-37
General Setup
Log In [F2]
Log Out [F3]
Close [F10]
DI00-DI15
Try This One
High Inlet Fi
Low O
High Motor Temp
Spare4
E-stop Pressed
Remote Start
Input 9 [K2]
Input 10 [K3]
Input 11 [K4]
Input 12 [K5]
Input 13 [K6]
Input 14 [K7]
Input 15 [K8]
Spare3
Spare5
Remote Stop
Remote Load
Input Enabled
Input Disabled
NEXT [F9] AI00-AI07
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
ESC
CTRL
ALT
SHIFT


Allen-Bradley
PanelView Plus 700
Here you can completely configure the operation of the individual input. Click the [F1] to Enable to enable the input. Once the input is enabled, it can be configured.
Input Enable
Input Identification
Actual
[F1] to Enable
Low Water Flow
NO
N/O N/C
Start Permissive
Warning
Warning Time Dly
Trip
Trip Time Dly
[F2]
[F3]
[F4]
3
[F5]
3
N/O
Disabled
Disabled
Disabled
Green indicates the desired position and red indicates undesired condition. For example, there is "NO" Low Water Flow.
This allows for the input to be configured as normally open or normally closed
These timers determine how long the input must be in the undesired position before the Warning/Trip is issued.
RETURN [F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
NAVIGATE [F10]
[F9]
Input
Actual
NO
Trip Time Dly
3
N/O N/C
[F2]
N/O
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT

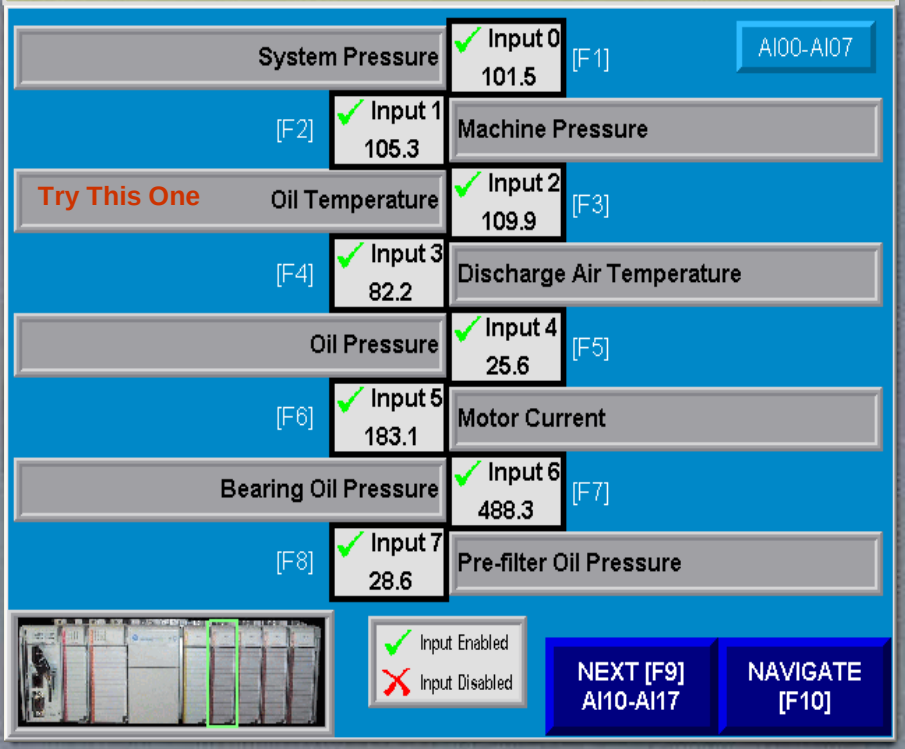

Allen-Bradley
PanelView Plus 700
From this screen, High/Low Start Permissives, Warnings and Trips can be enabled/disabled now that the input is enabled,
Input Enable
Input Identification
Actual
[F1] to Disable
Low Water Flow
NO
N/O N/C
Start Permissive
Warning
Warning Time Dly
Trip
Trip Time Dly
[F2]
[F3]
[F4]
3
[F5]
3
N/C
Enabled
Disabled
Enabled
RETURN [F9]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
NAVIGATE [F10]
[F9]
Input
Actual
NO
N/O N/C
Trip Time Dly
[F2]
N/O
3
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT

Allen-Bradley

PanelView Plus 700

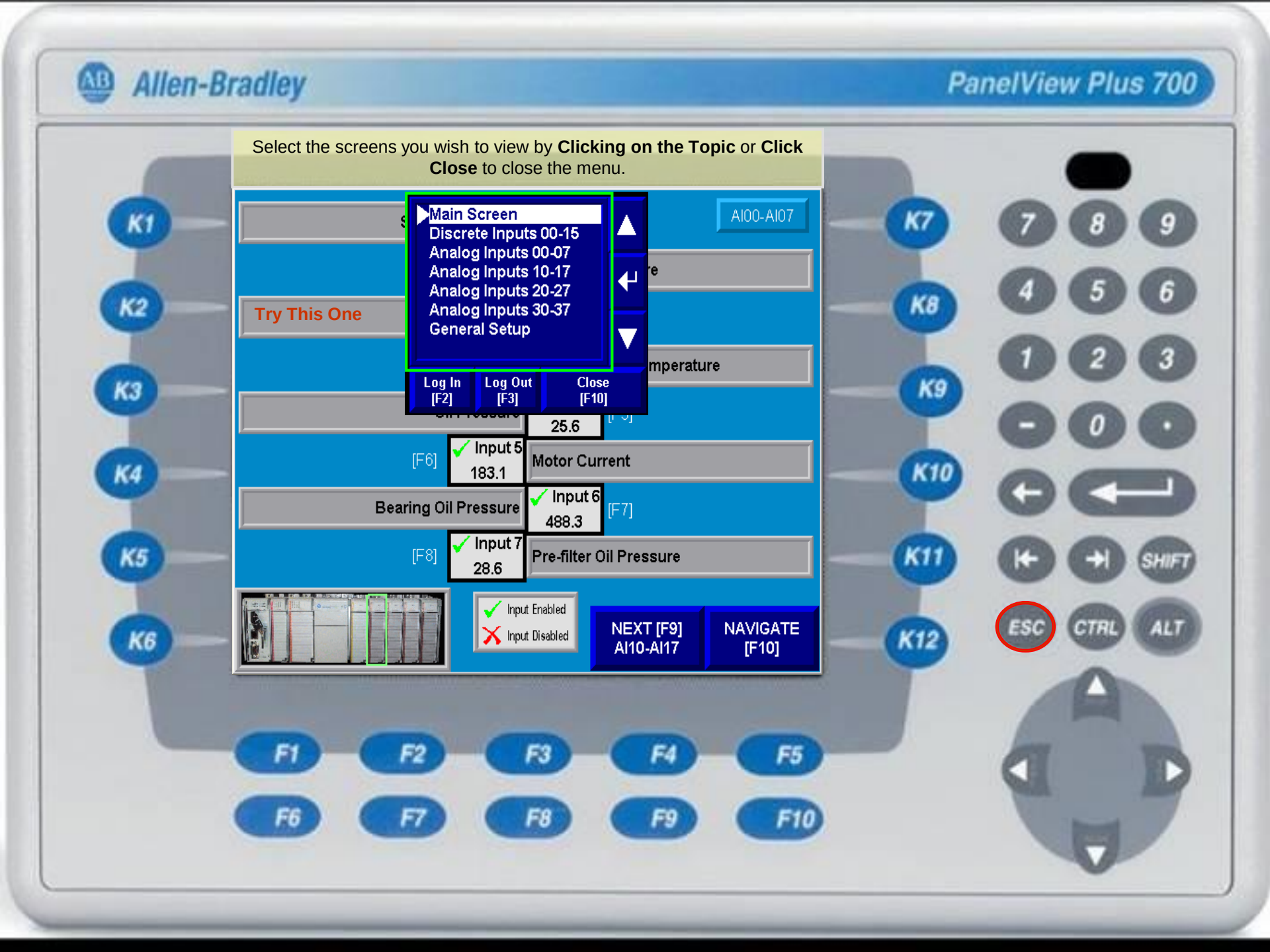
Notice the graphic of the PLC rack and highlighted module below. It indicates the analog I/O module selected for configuration. **Click the Oil Temperature input** to see a detailed input configuration.



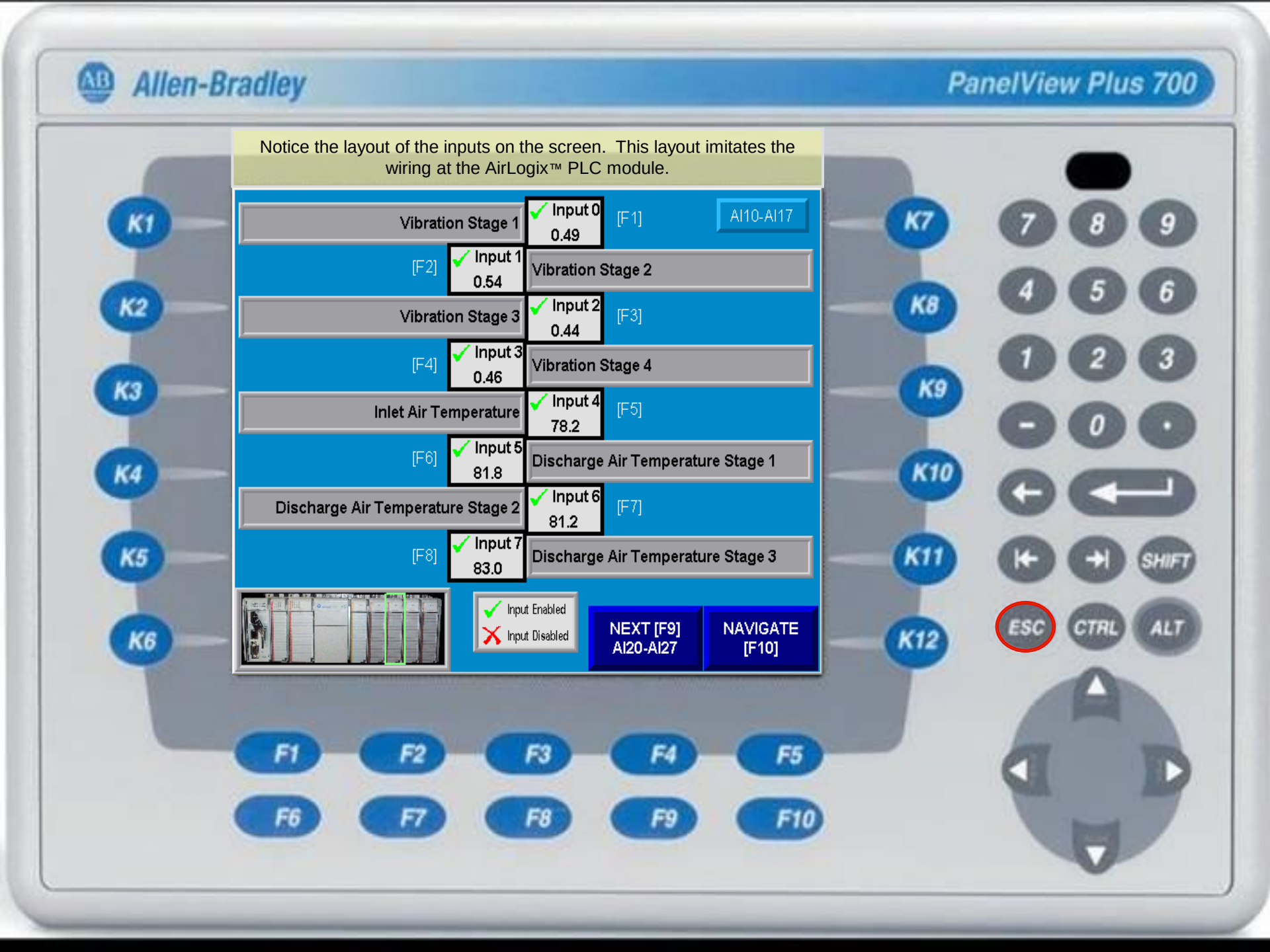
K1 K2 K3 K4 K5 K6 K7 K8 K9 K10 K11 K12

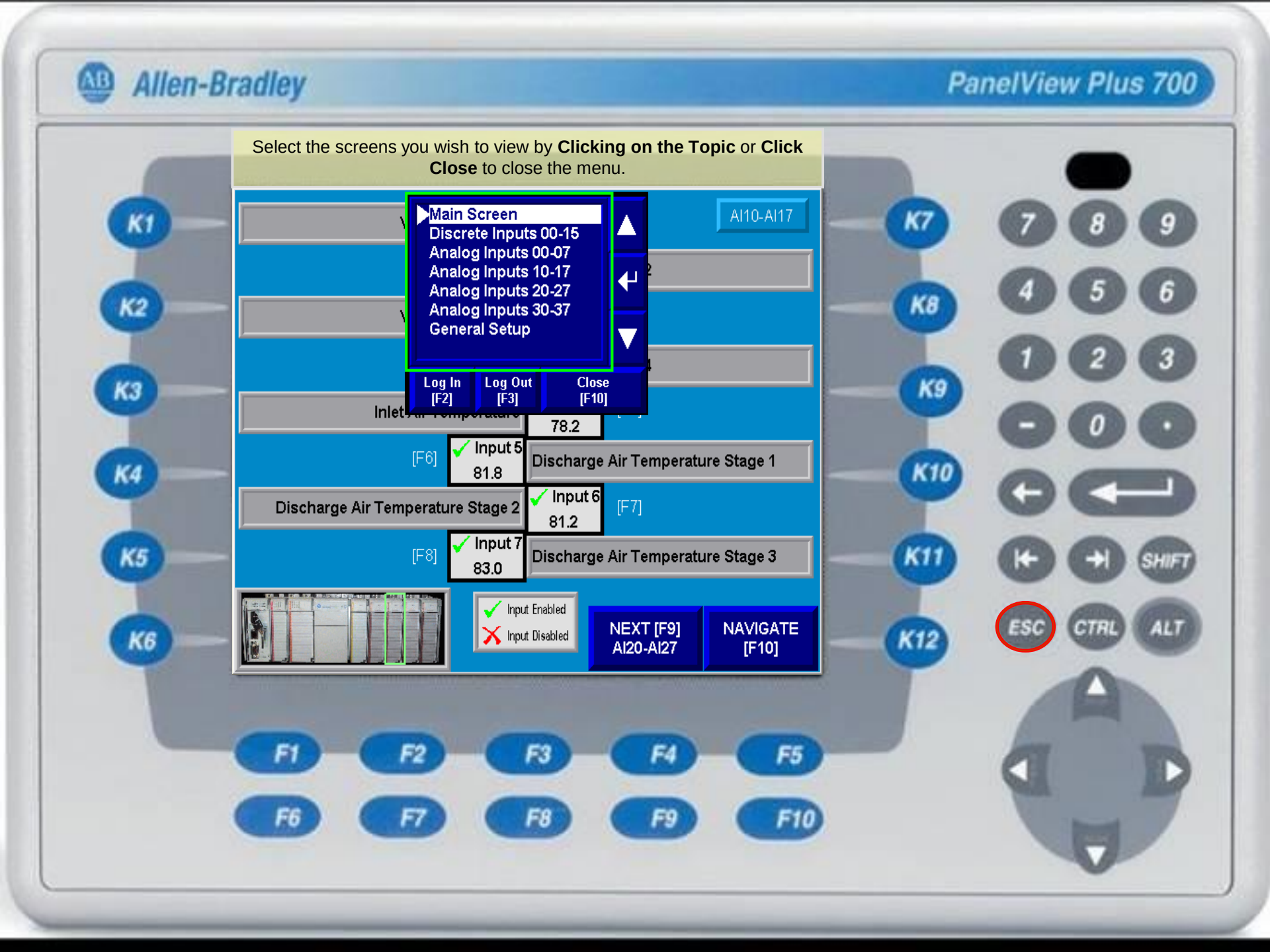
F1 F2 F3 F4 F5 F6 F7 F8 F9 F10

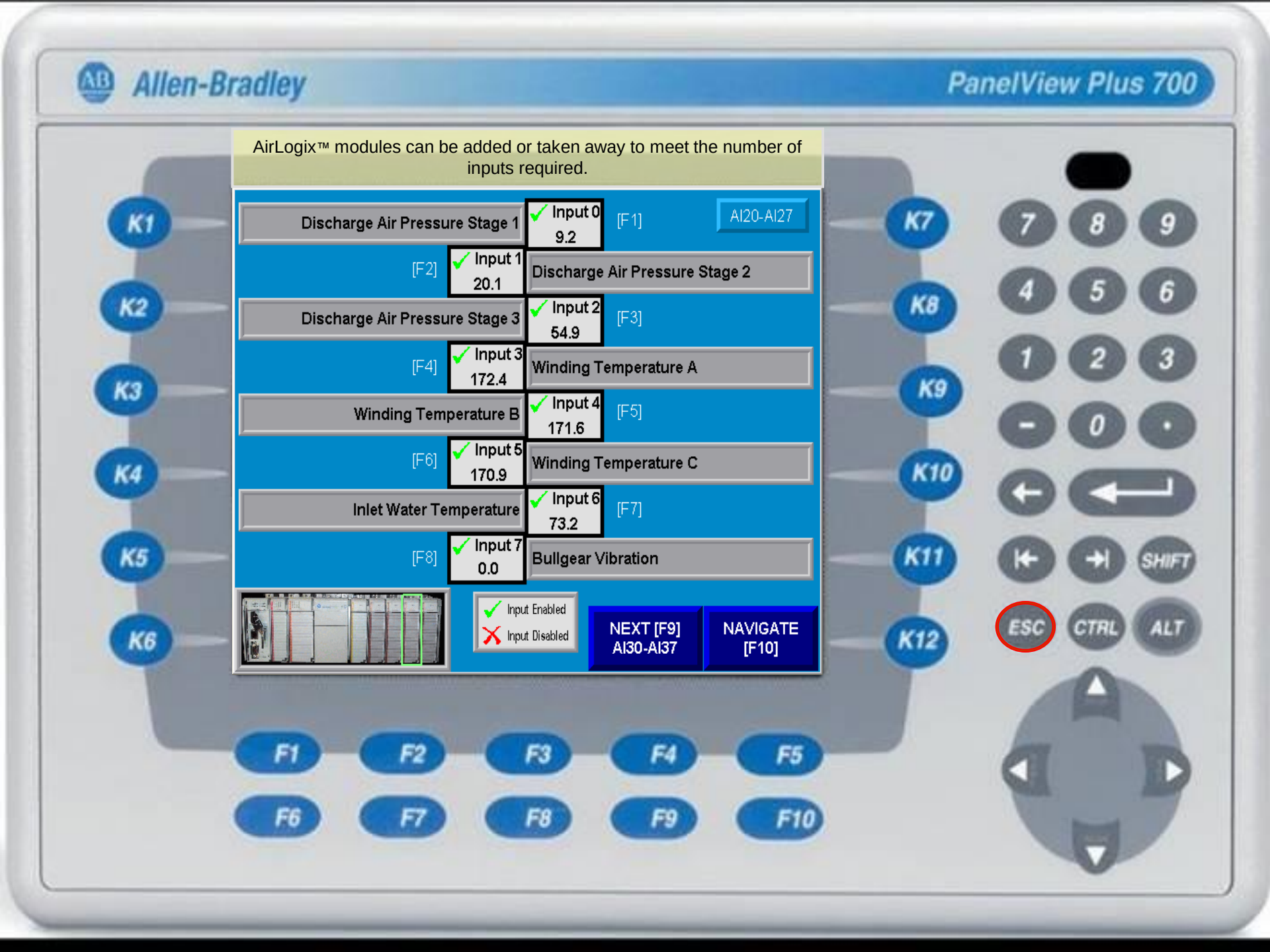
7 8 9 4 5 6 1 2 3 - 0 . SHIFT ESC CTRL ALT

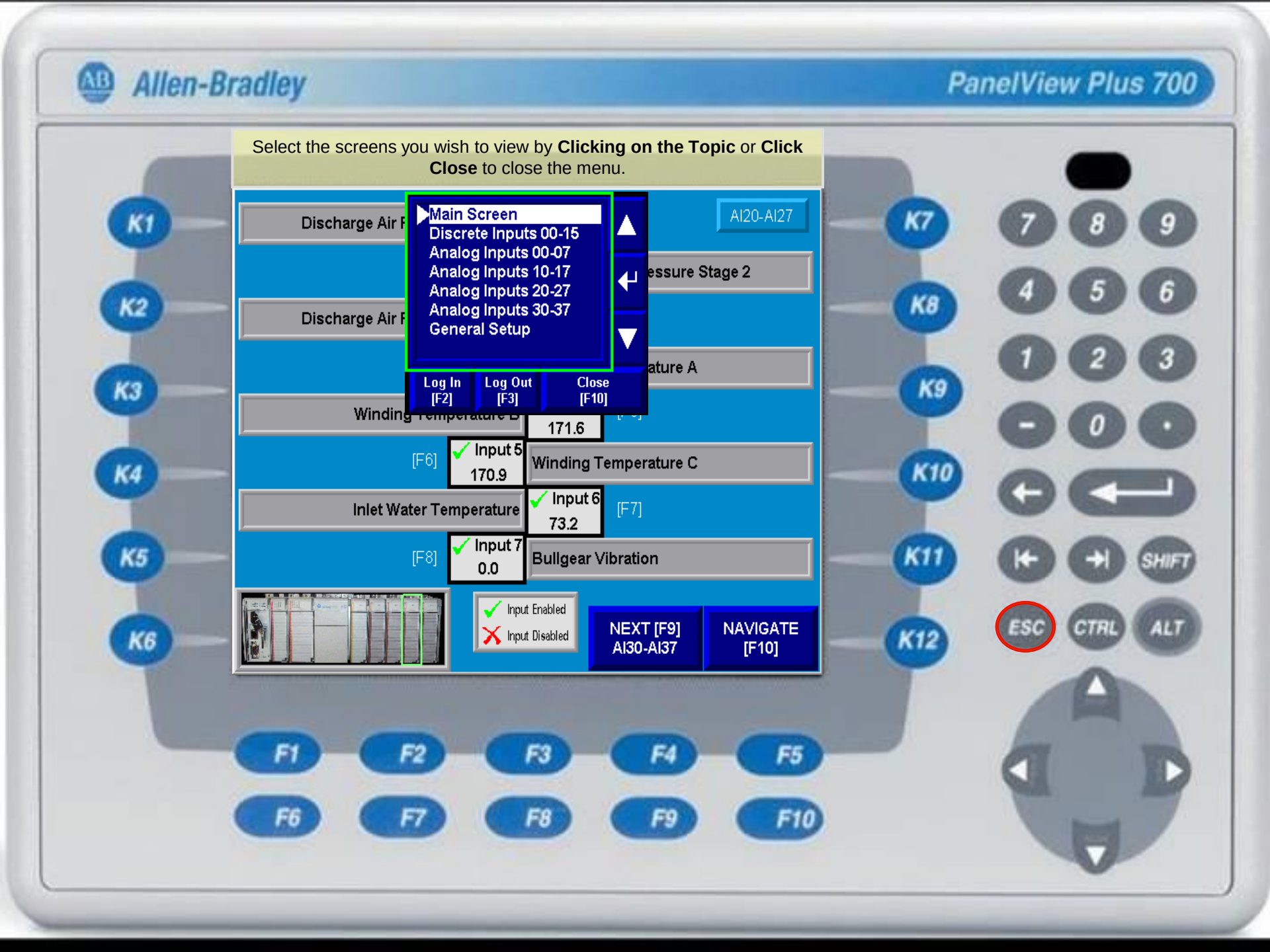

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **Clicking on the Topic** or **Click Close** to close the menu.
Main Screen
Discrete Inputs 00-15
Analog Inputs 00-07
Analog Inputs 10-17
Analog Inputs 20-27
Analog Inputs 30-37
General Setup
Log In [F2]
Log Out [F3]
Close [F10]
AI00-AI07
Try This One
mperature
25.6
[F6]
Input 5
183.1
Motor Current
Bearing Oil Pressure
Input 6
488.3
[F7]
[F8]
Input 7
28.6
Pre-filter Oil Pressure
Input Enabled
Input Disabled
NEXT [F9] AI10-AI17
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT

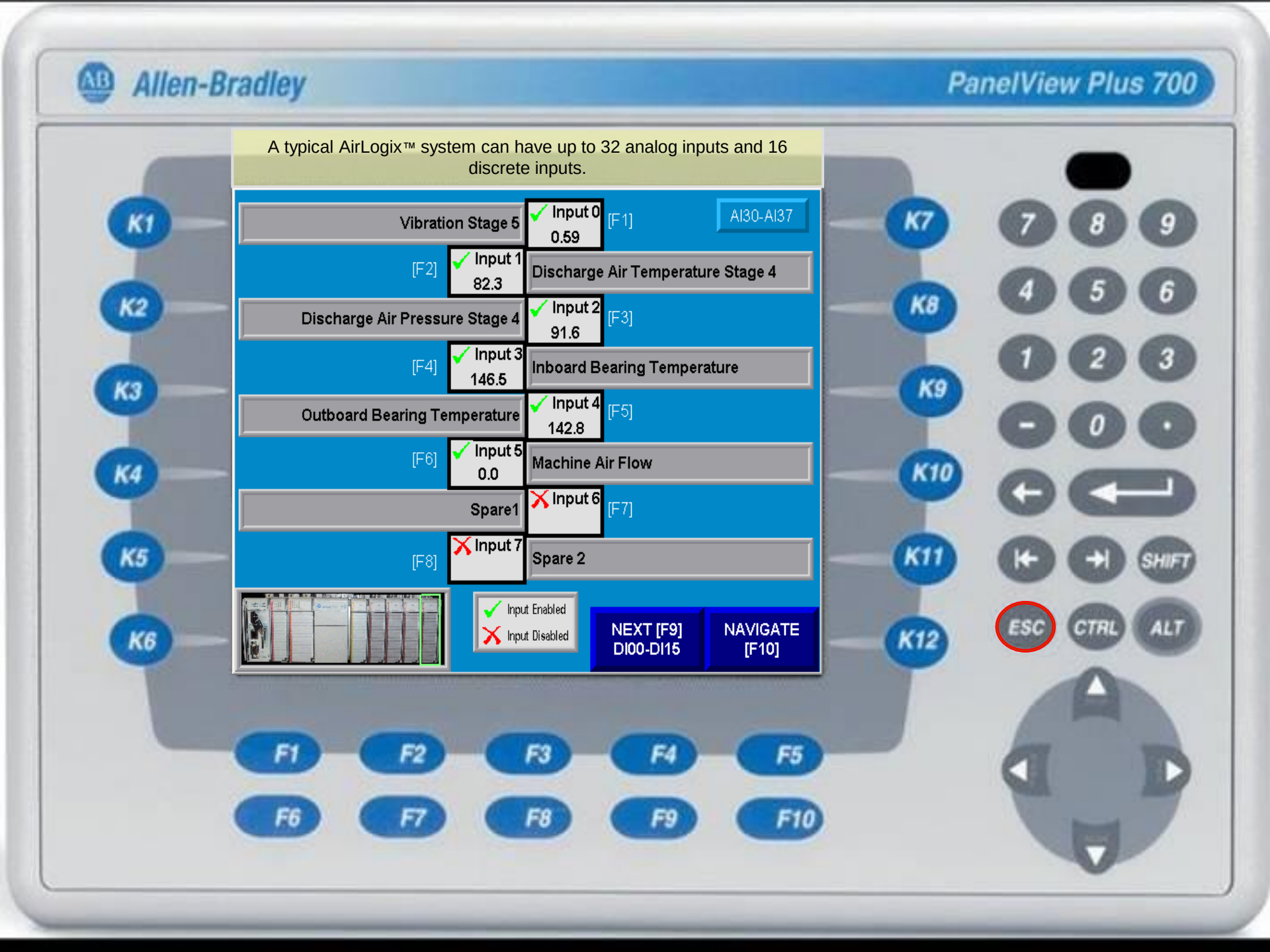
Notice the layout of the inputs on the screen. This layout imitates the wiring at the AirLogix™ PLC module.

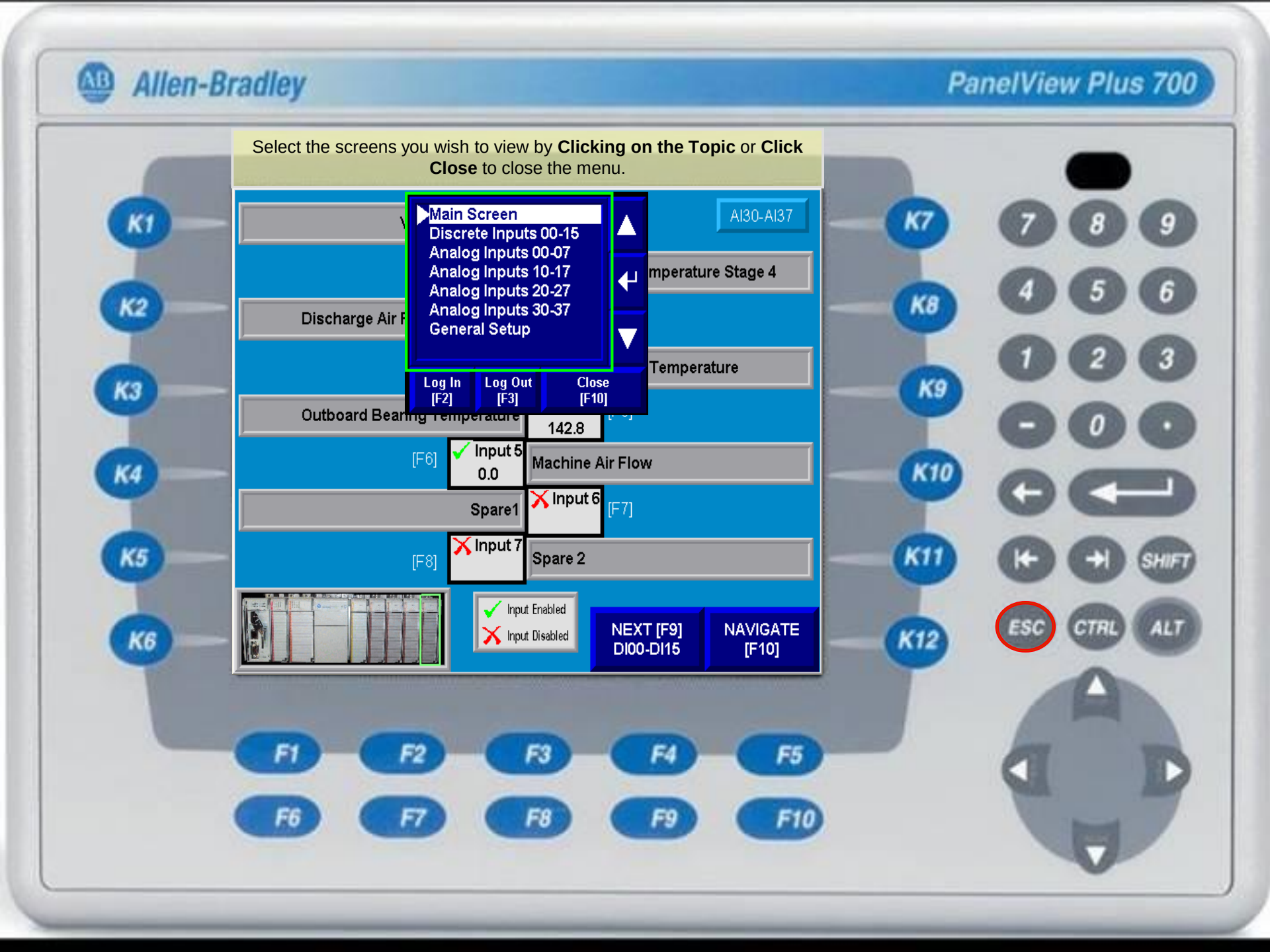


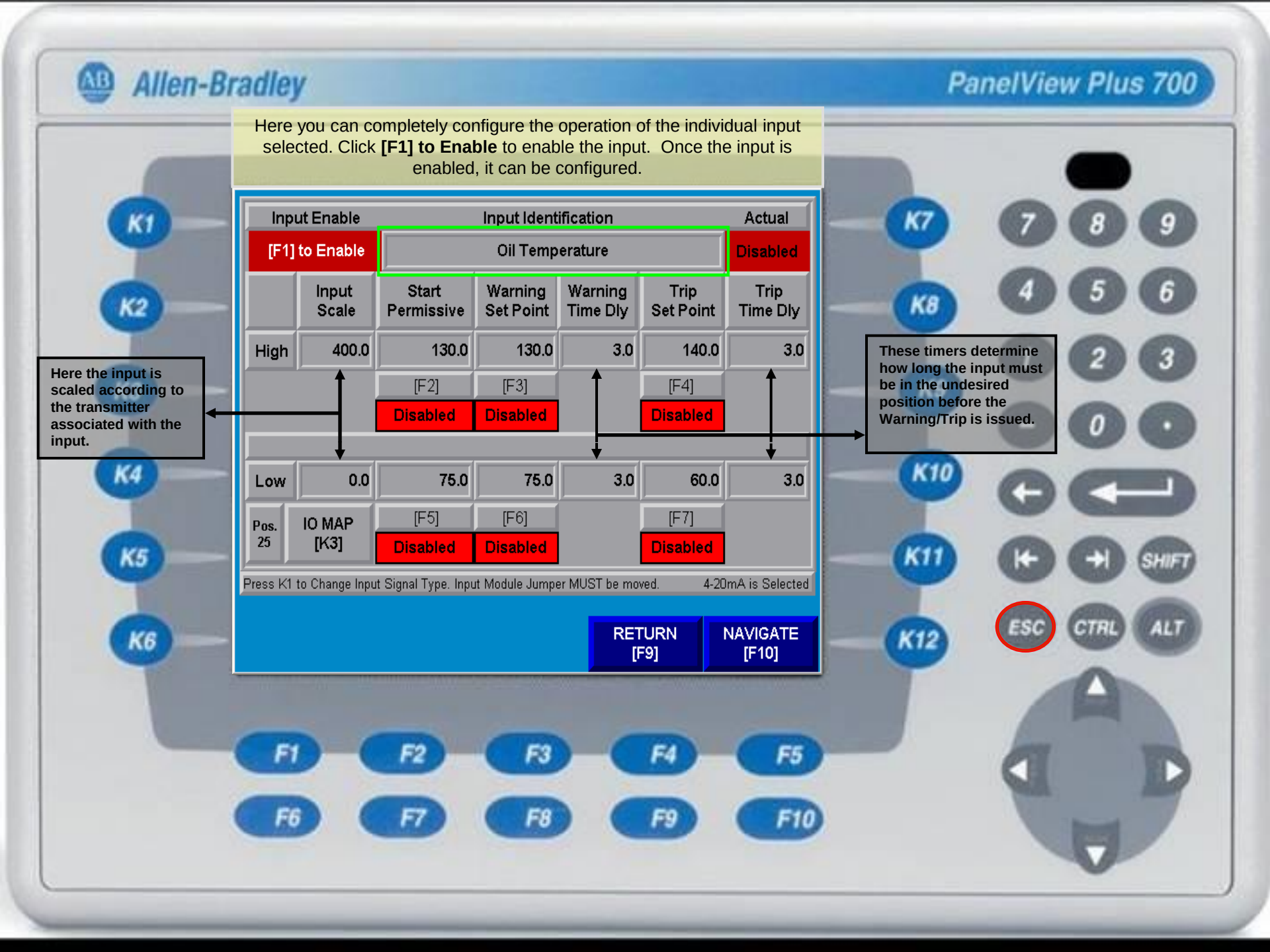

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **Clicking on the Topic** or **Click Close** to close the menu.
Main Screen
Discrete Inputs 00-15
Analog Inputs 00-07
Analog Inputs 10-17
Analog Inputs 20-27
Analog Inputs 30-37
General Setup
Log In [F2]
Log Out [F3]
Close [F10]
AI10-AI17
78.2
[F6]
Input 5
81.8
Discharge Air Temperature Stage 1
Discharge Air Temperature Stage 2
Input 6
81.2
[F7]
[F8]
Input 7
83.0
Discharge Air Temperature Stage 3
Input Enabled
Input Disabled
NEXT [F9] AI20-AI27
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT

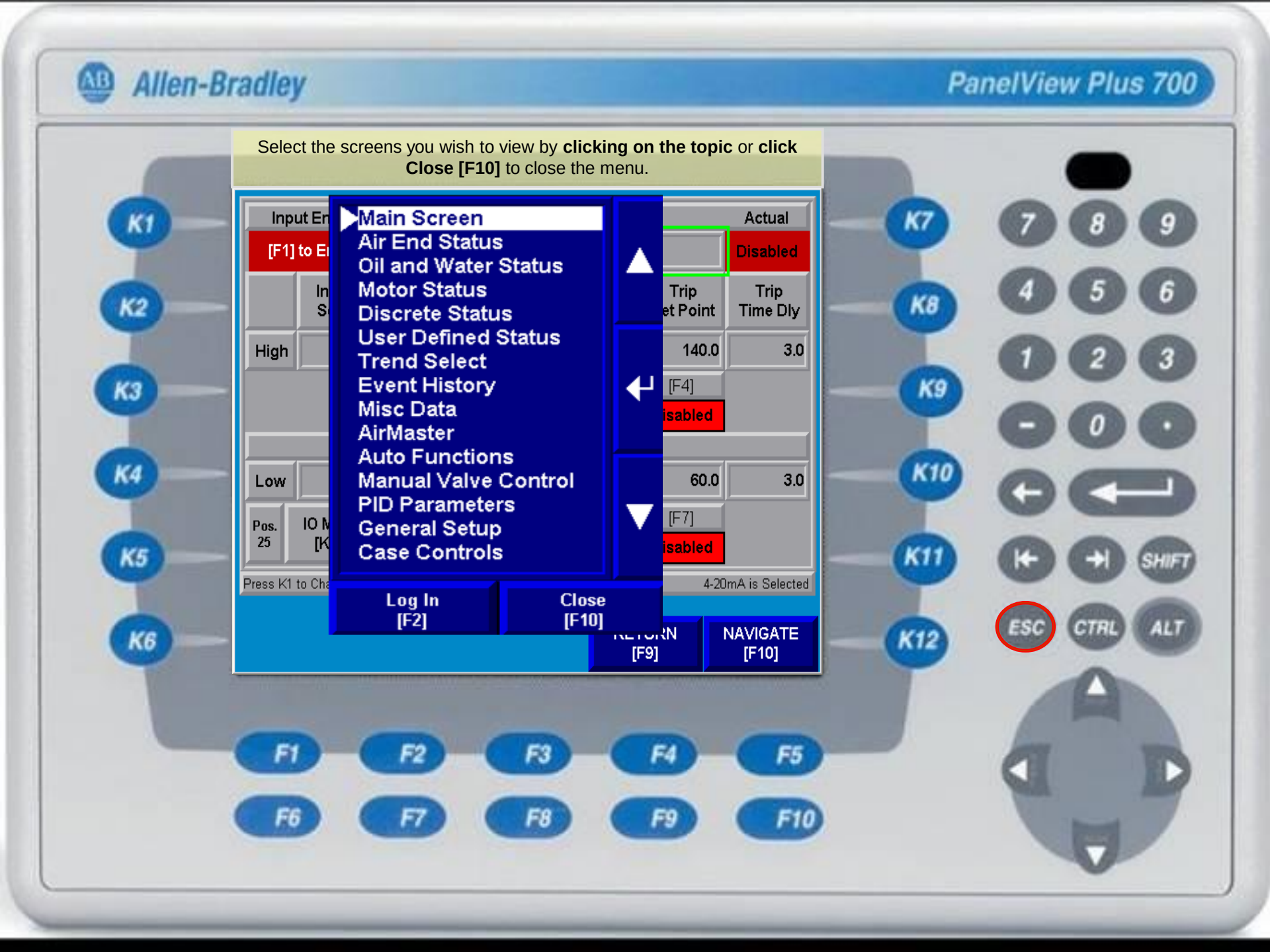

Allen-Bradley
PanelView Plus 700
AirLogix™ modules can be added or taken away to meet the number of inputs required.
Discharge Air Pressure Stage 1
Input 0
9.2
[F1]
AI20-AI27
[F2]
Input 1
20.1
Discharge Air Pressure Stage 2
Discharge Air Pressure Stage 3
Input 2
54.9
[F3]
[F4]
Input 3
172.4
Winding Temperature A
Winding Temperature B
Input 4
171.6
[F5]
[F6]
Input 5
170.9
Winding Temperature C
Inlet Water Temperature
Input 6
73.2
[F7]
[F8]
Input 7
0.0
Bullgear Vibration
Input Enabled
Input Disabled
NEXT [F9]
AI30-AI37
NAVIGATE
[F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT

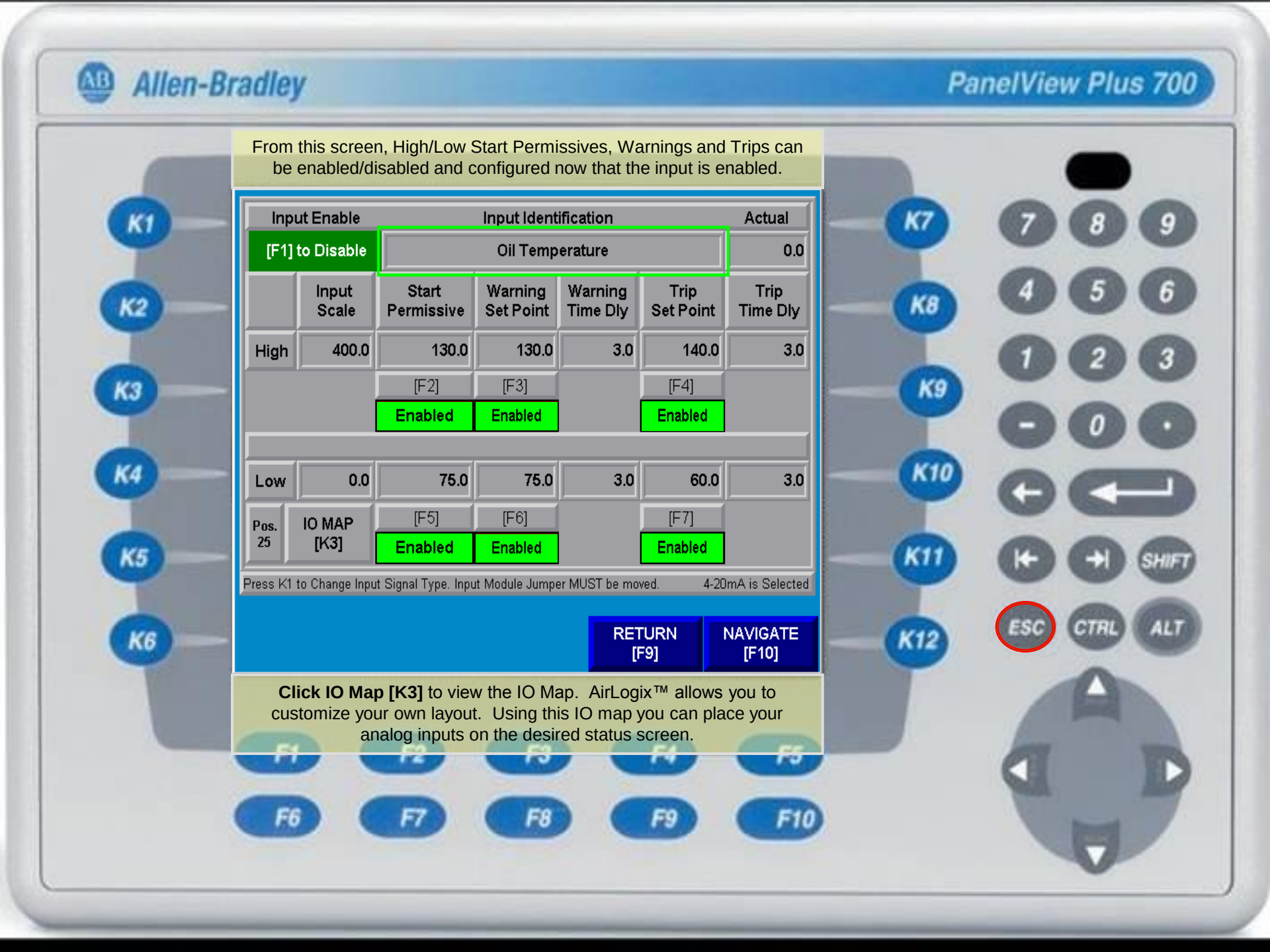

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **Clicking on the Topic** or **Click Close** to close the menu.
Main Screen
Discrete Inputs 00-15
Analog Inputs 00-07
Analog Inputs 10-17
Analog Inputs 20-27
Analog Inputs 30-37
General Setup
Log In [F2]
Log Out [F3]
Close [F10]
AI20-AI27
Discharge Air
Discharge Air
essure Stage 2
ature A
171.6
[F6]
Input 5
170.9
Winding Temperature C
Inlet Water Temperature
Input 6
73.2
[F7]
[F8]
Input 7
0.0
Bullgear Vibration
Input Enabled
Input Disabled
NEXT [F9] AI30-AI37
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT

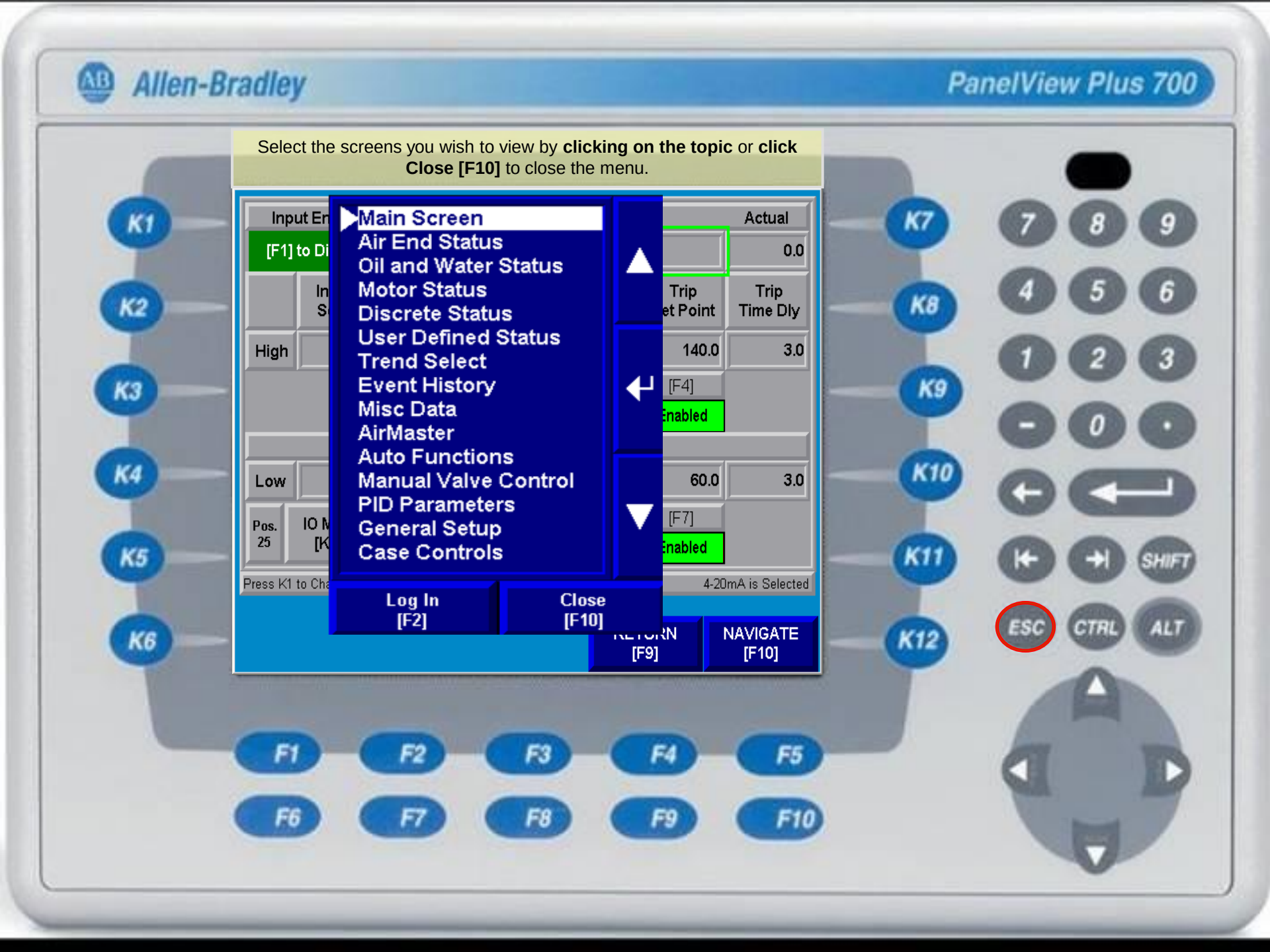

Allen-Bradley
PanelView Plus 700
A typical AirLogix™ system can have up to 32 analog inputs and 16 discrete inputs.
Vibration Stage 5
Input 0
0.59
[F1]
AI30-AI37
[F2]
Input 1
82.3
Discharge Air Temperature Stage 4
Discharge Air Pressure Stage 4
Input 2
91.6
[F3]
[F4]
Input 3
146.5
Inboard Bearing Temperature
Outboard Bearing Temperature
Input 4
142.8
[F5]
[F6]
Input 5
0.0
Machine Air Flow
Spare1
Input 6
[F7]
[F8]
Input 7
Spare 2
Input Enabled
Input Disabled
NEXT [F9]
DI00-DI15
NAVIGATE
[F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **Clicking on the Topic** or **Click Close** to close the menu.
Main Screen
Discrete Inputs 00-15
Analog Inputs 00-07
Analog Inputs 10-17
Analog Inputs 20-27
Analog Inputs 30-37
General Setup
Log In [F2]
Log Out [F3]
Close [F10]
AI30-AI37
Discharge Air
mperature Stage 4
Temperature
Outboard Bearing Temperature
142.8
[F6]
Input 5
0.0
Machine Air Flow
Spare1
Input 6
[F7]
[F8]
Input 7
Spare 2
Input Enabled
Input Disabled
NEXT [F9] DI00-DI15
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
Here you can completely configure the operation of the individual input selected. Click [F1] to Enable to enable the input. Once the input is enabled, it can be configured.
Input Enable
Input Identification
Actual
[F1] to Enable
Oil Temperature
Disabled
Input Scale
Start Permissive
Warning Set Point
Warning Time Dly
Trip Set Point
Trip Time Dly
High
400.0
130.0
130.0
3.0
140.0
3.0
[F2]
[F3]
[F4]
Disabled
Disabled
Disabled
Low
0.0
75.0
75.0
3.0
60.0
3.0
Pos. 25
IO MAP [K3]
[F5]
[F6]
[F7]
Disabled
Disabled
Disabled
Press K1 to Change Input Signal Type. Input Module Jumper MUST be moved.
4-20mA is Selected
RETURN [F9]
NAVIGATE [F10]
Here the input is scaled according to the transmitter associated with the input.
These timers determine how long the input must be in the undesired position before the Warning/Trip is issued.
K1
K2
K4
K5
K6
K7
K8
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
2
3
0
SHIFT
ESC
CTRL
ALT

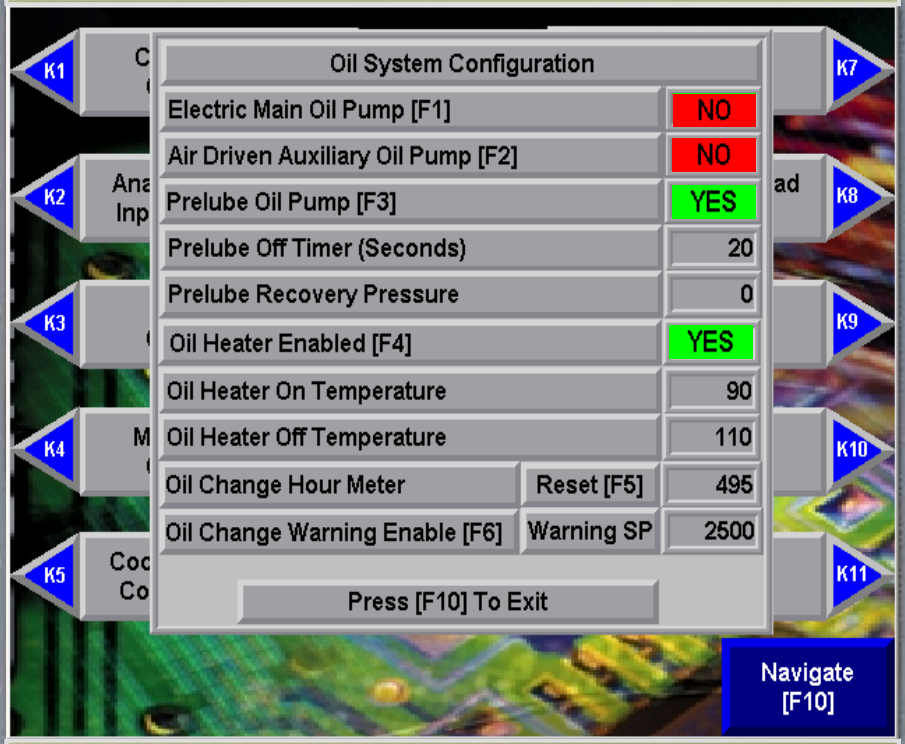

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
ESC
CTRL
ALT
SHIFT


Allen-Bradley
PanelView Plus 700
From this screen, High/Low Start Permissives, Warnings and Trips can be enabled/disabled and configured now that the input is enabled.
Input Enable
Input Identification
Actual
[F1] to Disable
Oil Temperature
0.0
Input Scale
Start Permissive
Warning Set Point
Warning Time Dly
Trip Set Point
Trip Time Dly
High
400.0
130.0
130.0
3.0
140.0
3.0
[F2]
[F3]
[F4]
Enabled
Enabled
Enabled
Low
0.0
75.0
75.0
3.0
60.0
3.0
Pos. 25
IO MAP [K3]
[F5]
[F6]
[F7]
Enabled
Enabled
Enabled
Press K1 to Change Input Signal Type. Input Module Jumper MUST be moved.
4-20mA is Selected
RETURN [F9]
NAVIGATE [F10]
Click IO Map [K3] to view the IO Map. AirLogix™ allows you to customize your own layout. Using this IO map you can place your analog inputs on the desired status screen.
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
NAVIGATE [F10]
Actual
0.0
Trip Time Dly
140.0
3.0
60.0
3.0
4-20mA is Selected
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
ESC
CTRL
ALT
SHIFT

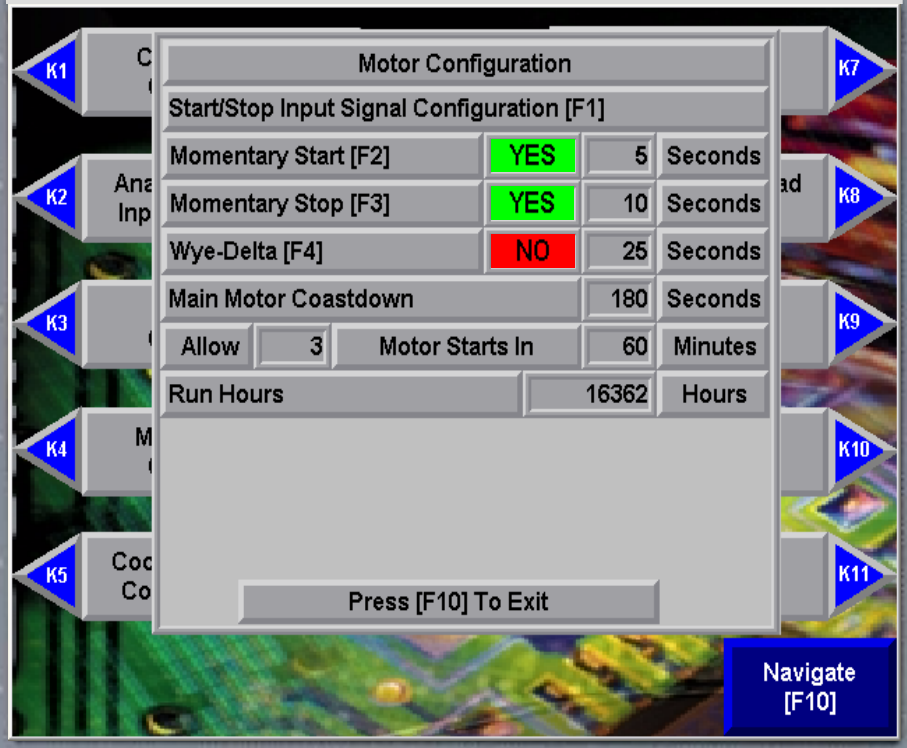
The IO Map is used as a reference to place the analog inputs in the desired location on the desired status screen.

This screen is used to configure the system's oil pumps, oil heaters and maintenance timers.

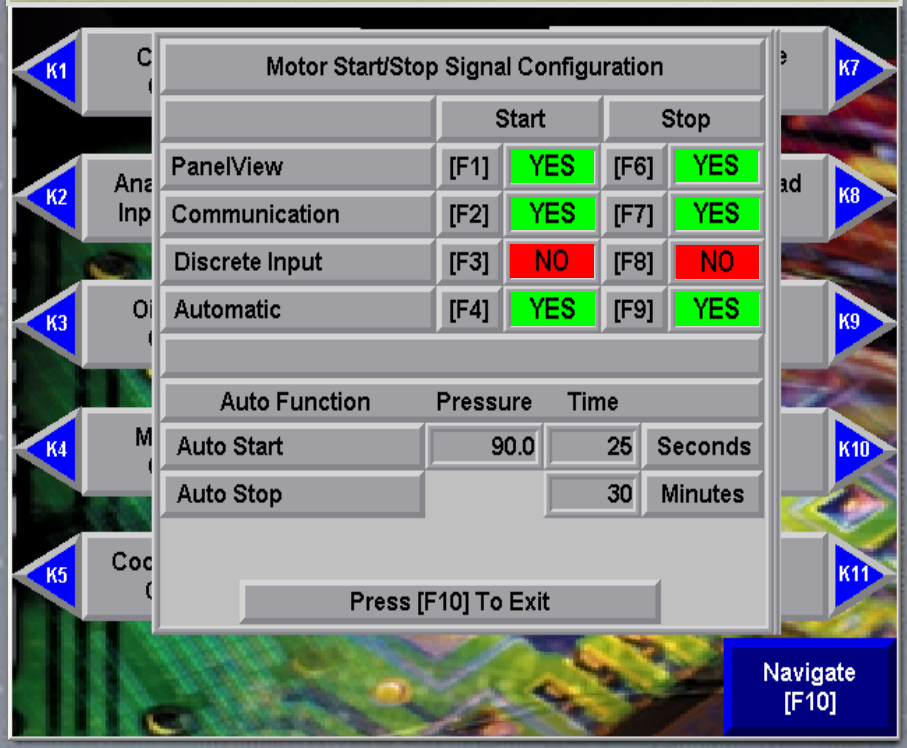


The Prelube Recovery Pressure is a safety feature that will turn on the prelube/auxiliary oil pump in the event of a main oil pump failure.

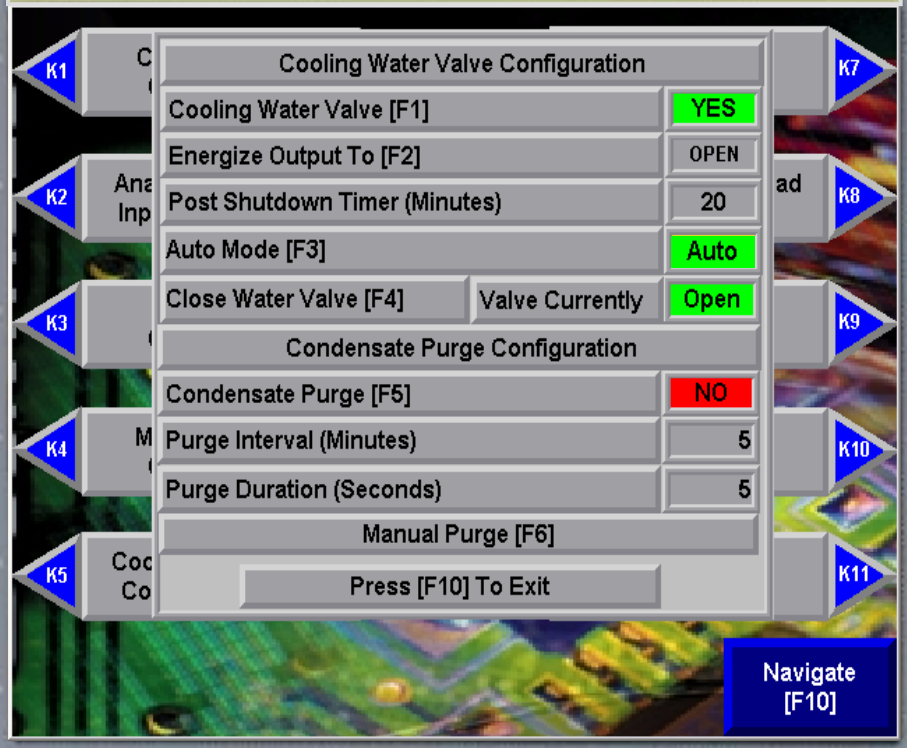
This screen is used for main motor configuration. Here the start circuit can be configured for different types of start circuits.. Also the Run Hours on the motor can be entered.



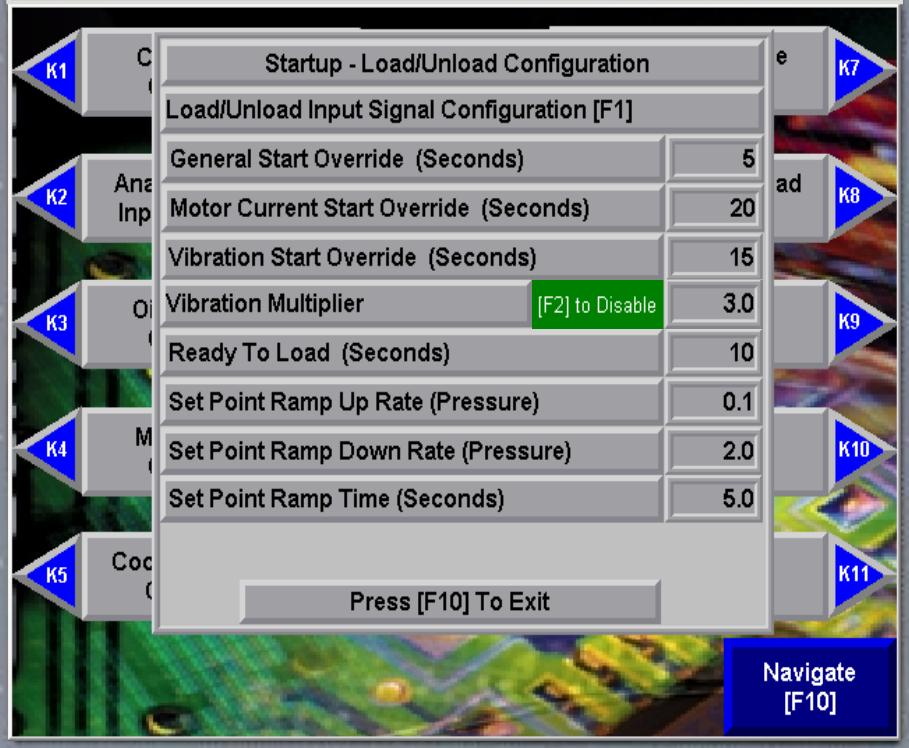
This screen allows you to configure different sources for the start/stop signals, such as a SCADA system or remote switch.

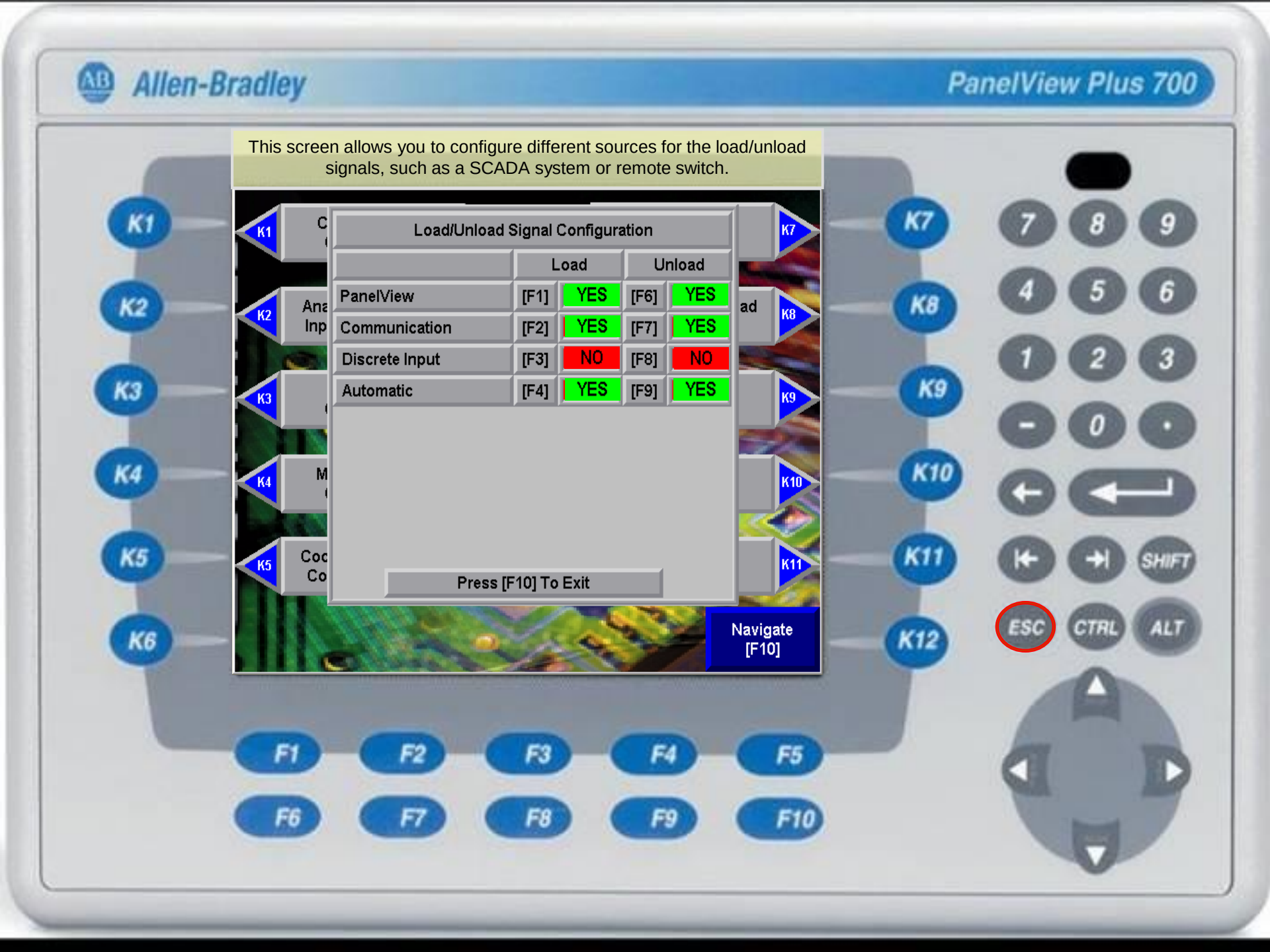


Here you can completely configure the operation of the cooling water valve and condensate traps.

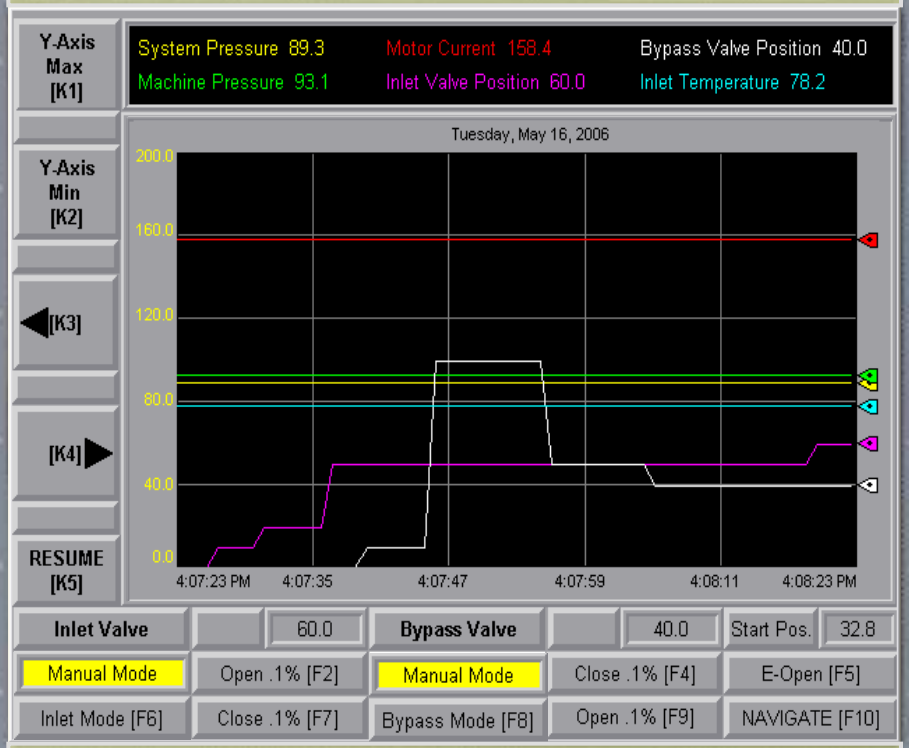


This screen contains basic system timers and set points that are setup during commissioning. The vibration multiplier allows for higher vibrations seen during startup and coast down of a compressor.



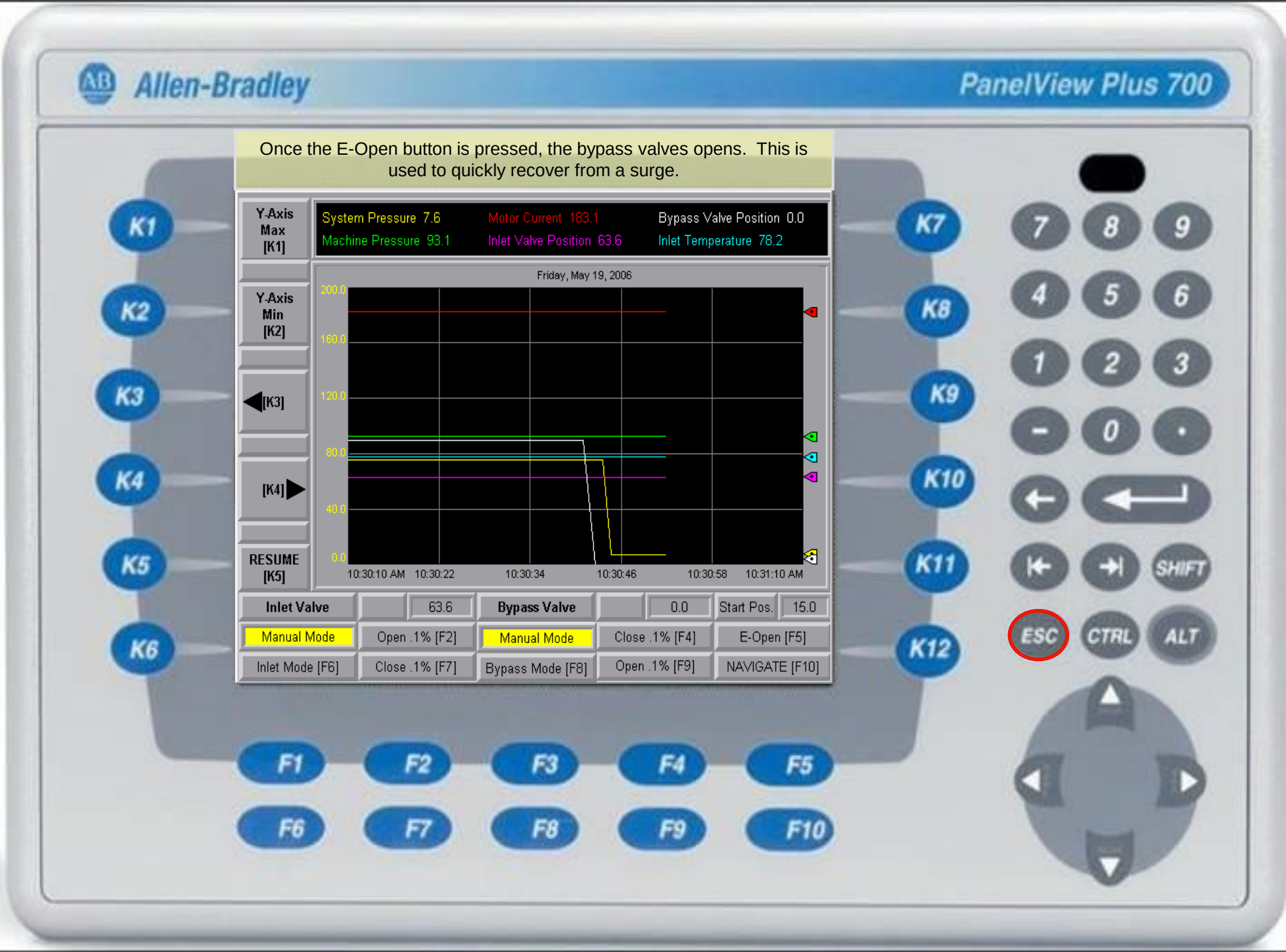

Allen-Bradley
PanelView Plus 700
This screen allows you to configure different sources for the load/unload signals, such as a SCADA system or remote switch.
Load/Unload Signal Configuration
Load
Unload
PanelView [F1] YES [F6] YES
Communication [F2] YES [F7] YES
Discrete Input [F3] NO [F8] NO
Automatic [F4] YES [F9] YES
Press [F10] To Exit
Navigate [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
ESC
CTRL
ALT
SHIFT

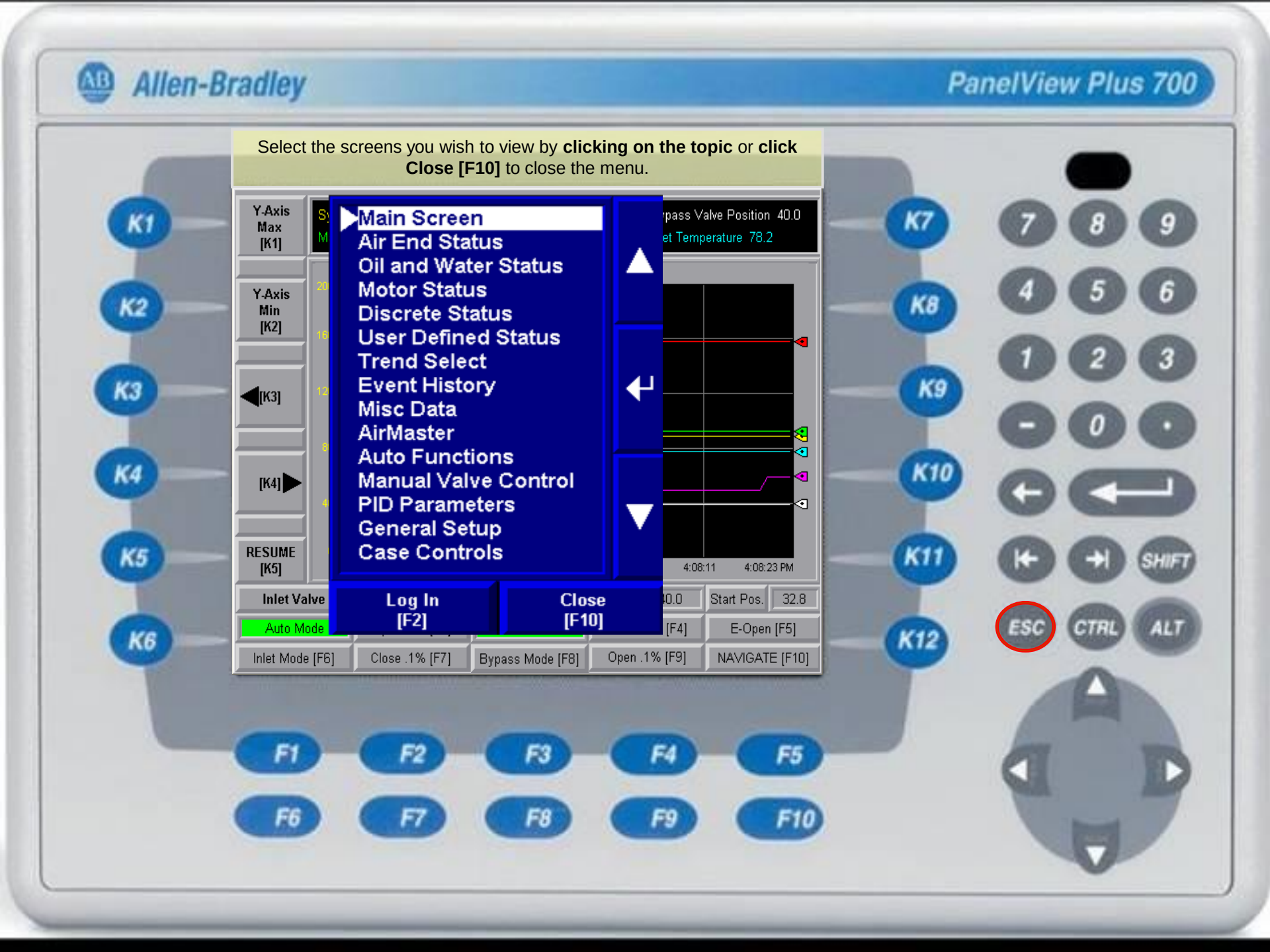
There are two Manual Valve control screens. This one selected from the General Set-up menu, allows you to graphically monitor critical variables while manually controlling the machine.

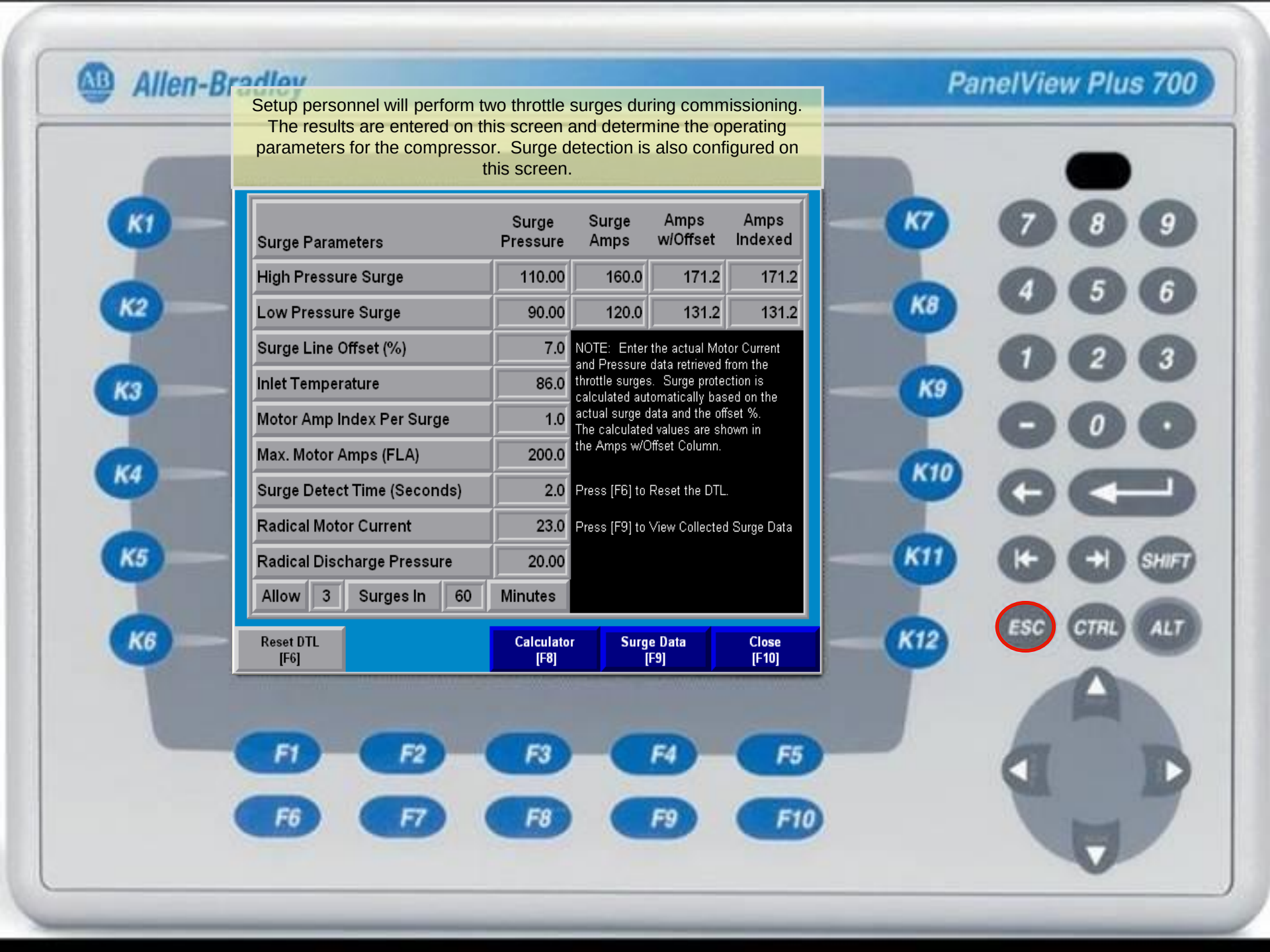


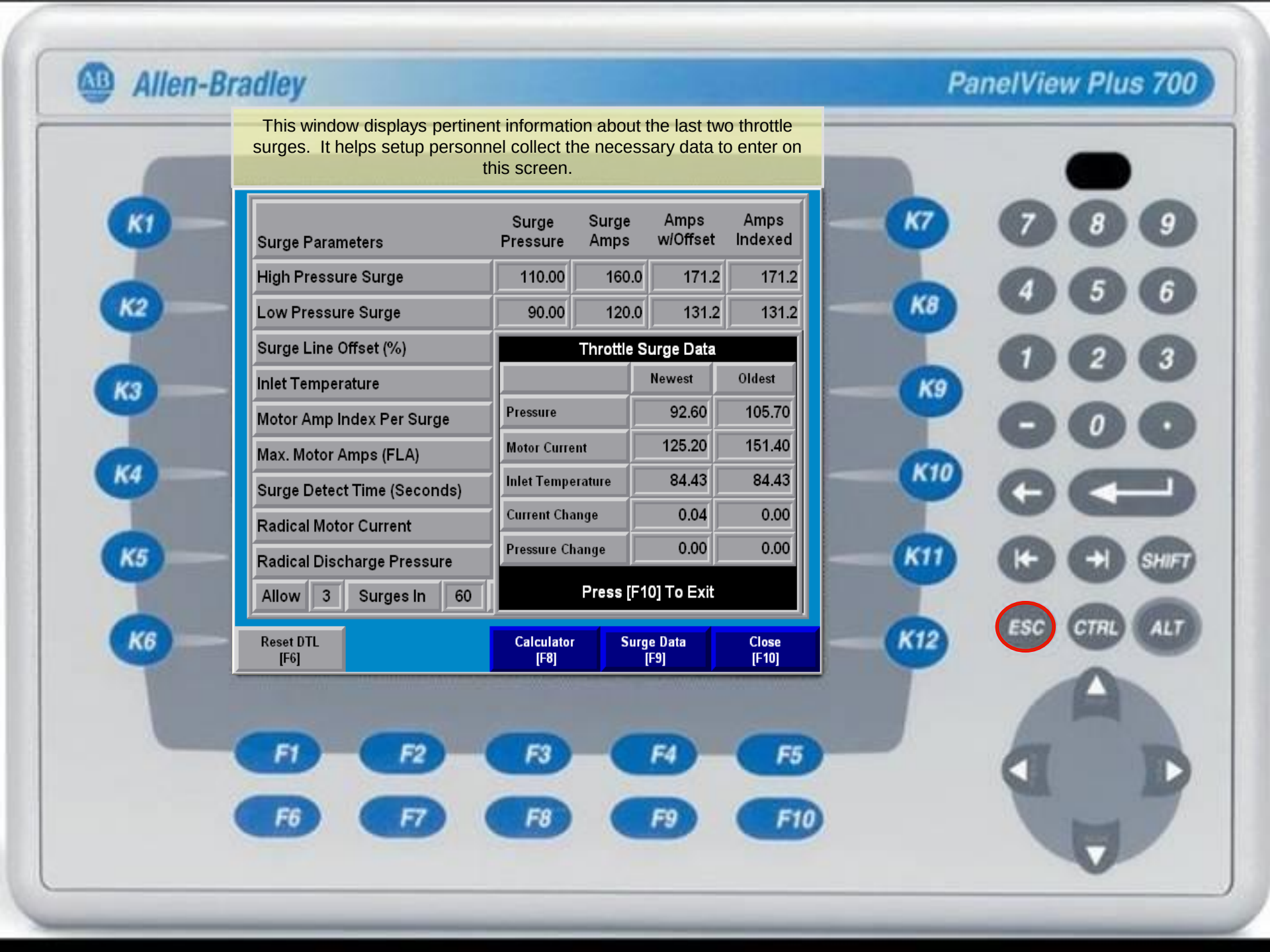
The indicators show the mode in auto to manual. **Click the E-Open [F5]** button to open the bypass.

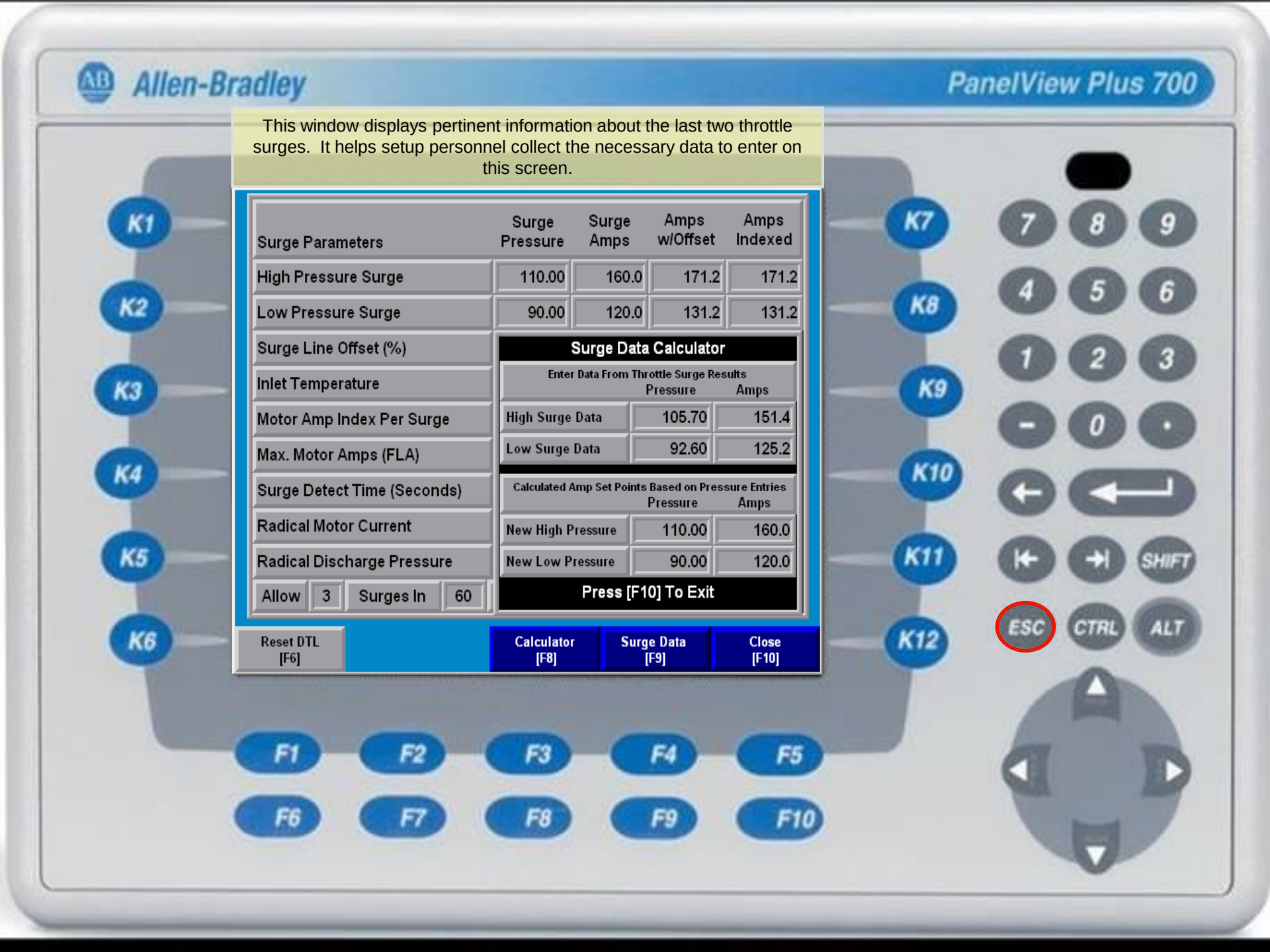
Once the E-Open button is pressed, the bypass valves opens. This is used to quickly recover from a surge.

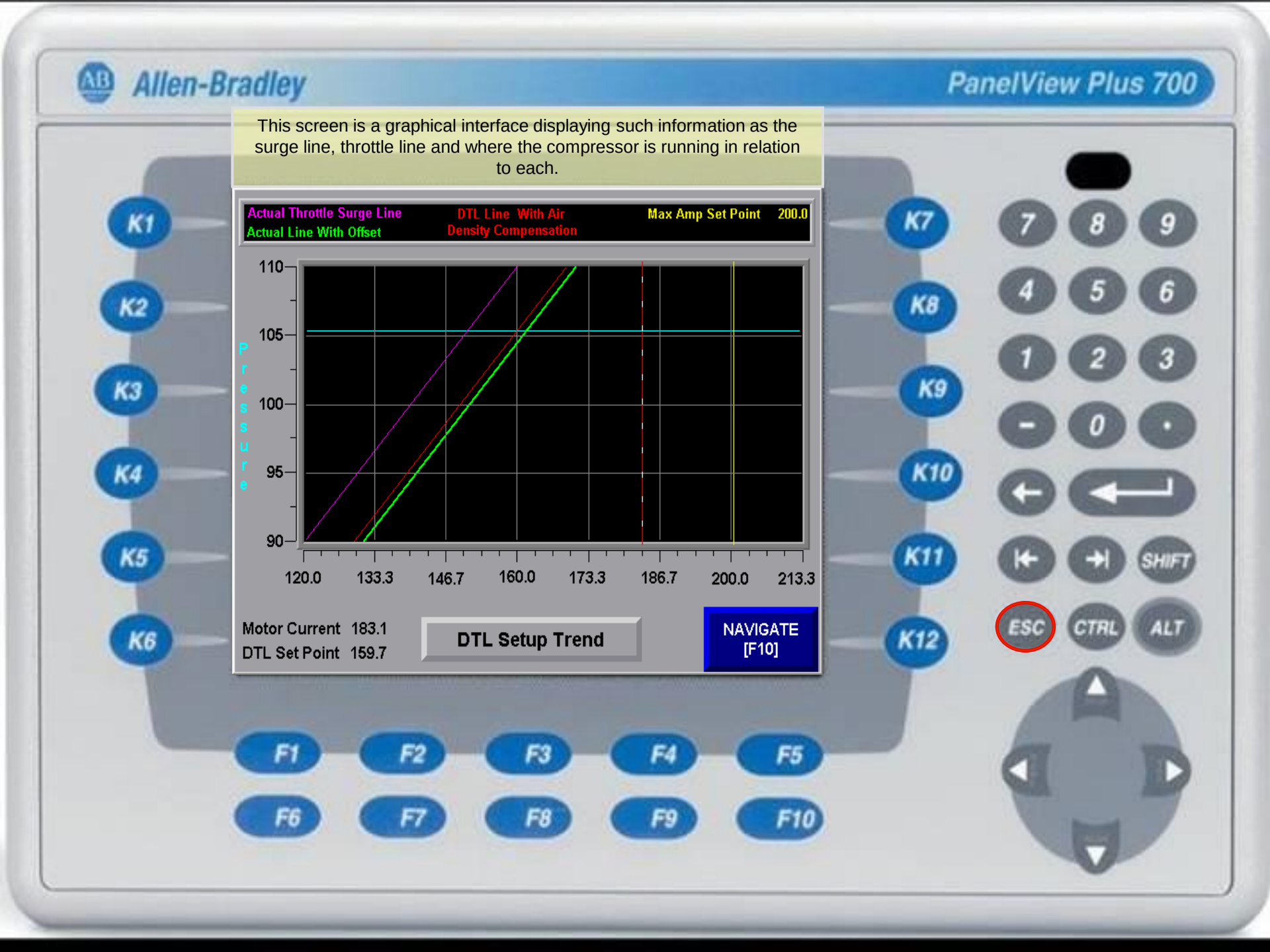


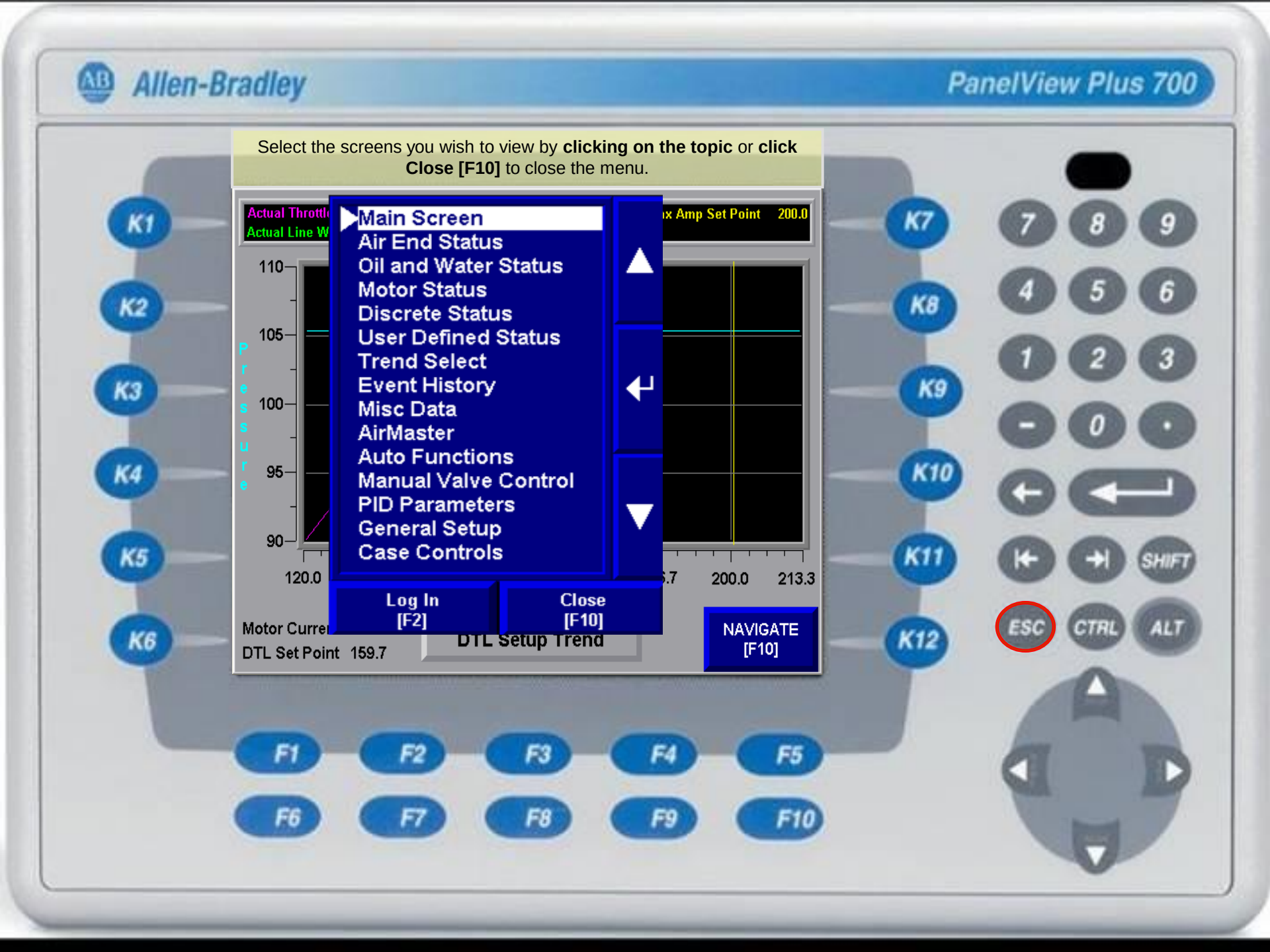

Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
Y-Axis Max [K1]
Y-Axis Min [K2]
[K3]
[K4]
RESUME [K5]
Inlet Valve
Auto Mode
Inlet Mode [F6]
Close .1% [F7]
Bypass Mode [F8]
Open .1% [F9]
NAVIGATE [F10]
Start Pos.
32.8
E-Open [F5]
4:08:11
4:08:23 PM
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
ESC
CTRL
ALT
SHIFT


Allen-Bradley
PanelView Plus 700
Setup personnel will perform two throttle surges during commissioning. The results are entered on this screen and determine the operating parameters for the compressor. Surge detection is also configured on this screen.
Surge Parameters
Surge Pressure
Surge Amps
Amps w/Offset
Amps Indexed
High Pressure Surge
110.00
160.0
171.2
171.2
Low Pressure Surge
90.00
120.0
131.2
131.2
Surge Line Offset (%)
7.0
Inlet Temperature
86.0
Motor Amp Index Per Surge
1.0
Max. Motor Amps (FLA)
200.0
Surge Detect Time (Seconds)
2.0
Radical Motor Current
23.0
Radical Discharge Pressure
20.00
Allow
3
Surges In
60
Minutes
NOTE: Enter the actual Motor Current and Pressure data retrieved from the throttle surges. Surge protection is calculated automatically based on the actual surge data and the offset %. The calculated values are shown in the Amps w/Offset Column.
Press [F6] to Reset the DTL.
Press [F9] to View Collected Surge Data
Reset DTL [F6]
Calculator [F8]
Surge Data [F9]
Close [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
ESC
CTRL
ALT
SHIFT


Allen-Bradley
PanelView Plus 700
This window displays pertinent information about the last two throttle surges. It helps setup personnel collect the necessary data to enter on this screen.
Surge Parameters
Surge Pressure
Surge Amps
Amps w/Offset
Amps Indexed
High Pressure Surge
110.00
160.0
171.2
171.2
Low Pressure Surge
90.00
120.0
131.2
131.2
Surge Line Offset (%)
Inlet Temperature
Motor Amp Index Per Surge
Max. Motor Amps (FLA)
Surge Detect Time (Seconds)
Radical Motor Current
Radical Discharge Pressure
Allow
3
Surges In
60
Throttle Surge Data
Newest
Oldest
Pressure
92.60
105.70
Motor Current
125.20
151.40
Inlet Temperature
84.43
84.43
Current Change
0.04
0.00
Pressure Change
0.00
0.00
Press [F10] To Exit
Reset DTL [F6]
Calculator [F8]
Surge Data [F9]
Close [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
This window displays pertinent information about the last two throttle surges. It helps setup personnel collect the necessary data to enter on this screen.
Surge Parameters
Surge Pressure
Surge Amps
Amps w/Offset
Amps Indexed
High Pressure Surge
110.00
160.0
171.2
171.2
Low Pressure Surge
90.00
120.0
131.2
131.2
Surge Line Offset (%)
Inlet Temperature
Motor Amp Index Per Surge
Max. Motor Amps (FLA)
Surge Detect Time (Seconds)
Radical Motor Current
Radical Discharge Pressure
Allow
3
Surges In
60
Surge Data Calculator
Enter Data From Throttle Surge Results
Pressure
Amps
High Surge Data
105.70
151.4
Low Surge Data
92.60
125.2
Calculated Amp Set Points Based on Pressure Entries
Pressure
Amps
New High Pressure
110.00
160.0
New Low Pressure
90.00
120.0
Press [F10] To Exit
Reset DTL [F6]
Calculator [F8]
Surge Data [F9]
Close [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
-
0
.
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
This screen is a graphical interface displaying such information as the surge line, throttle line and where the compressor is running in relation to each.
Actual Throttle Surge Line
Actual Line With Offset
DTL Line With Air Density Compensation
Max Amp Set Point 200.0
110
105
100
95
90
Pressure
120.0
133.3
146.7
160.0
173.3
186.7
200.0
213.3
Motor Current 183.1
DTL Set Point 159.7
DTL Setup Trend
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT


Allen-Bradley
PanelView Plus 700
Select the screens you wish to view by **clicking on the topic** or **click Close [F10]** to close the menu.
Main Screen
Air End Status
Oil and Water Status
Motor Status
Discrete Status
User Defined Status
Trend Select
Event History
Misc Data
AirMaster
Auto Functions
Manual Valve Control
PID Parameters
General Setup
Case Controls
Log In [F2]
Close [F10]
Actual Throttl
Actual Line W
x Amp Set Point 200.0
110
105
100
95
90
Pressure
120.0
200.0
213.3
Motor Curre
DTL Set Point 159.7
DTL Setup Trend
NAVIGATE [F10]
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
7
8
9
4
5
6
1
2
3
0
SHIFT
ESC
CTRL
ALT

Case Engineering inc (CaseControls)
P.O. Box 6884 • 1401 West Franklin Street
Evansville Indiana • USA • 47719-0884
Tel 812.422.2422 Fax 812.425.3138

solutions@casecontrols.com www.casecontrols.com