VIRGINIA CONTROLS

PANELVIEW OPERATING INSTRUCTIONS

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PANELVIEW OPERATING INSTRUCTIONS

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INTRODUCTION

Figure 1 - PanelView 2711-M3A18L1

Refer to the AB PanelView Manual for general operating instructions.

This document describes the specific screens programmed for this application, and the function of the pushbuttons where they differ from the default.

When the unit is powered up, it will show the Main Menu. All other screens can be accessed from this Menu. Press F4 key from any screen to return to the Main Menu

A message overlay will be displayed if there is a communication failure or a shutdown fault.

Figure 2 - PanelView 2711-K3A17

These instructions are for the PanelView model 2711-M3A18L1 (without keypad).
If a PanelView with a keypad is provided, these instructions still apply. The only differences are that the left and right arrows are not used to view the previous and next screens. Function keys F5 or F9 (previous) and F6 or F10 (next) are used instead. Additionally, on the Adjustment Screen for the Bit Features, the keypad is used to enter a new value, instead of the up and down arrows. Function Keys F9 and F10 are NOT available on the PanelView 2711-M3A18L1. Where the instructions refer to the left and right arrows, the F5 or F9 and F6 or F10 keys will be refered to in parentheses, indicating these should be used on PanelView models with the keypad.
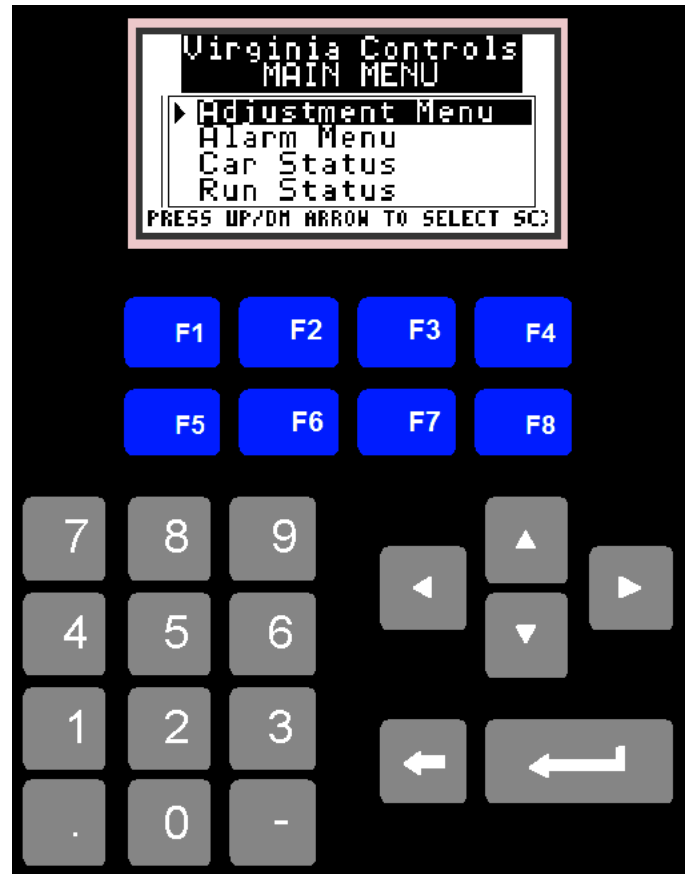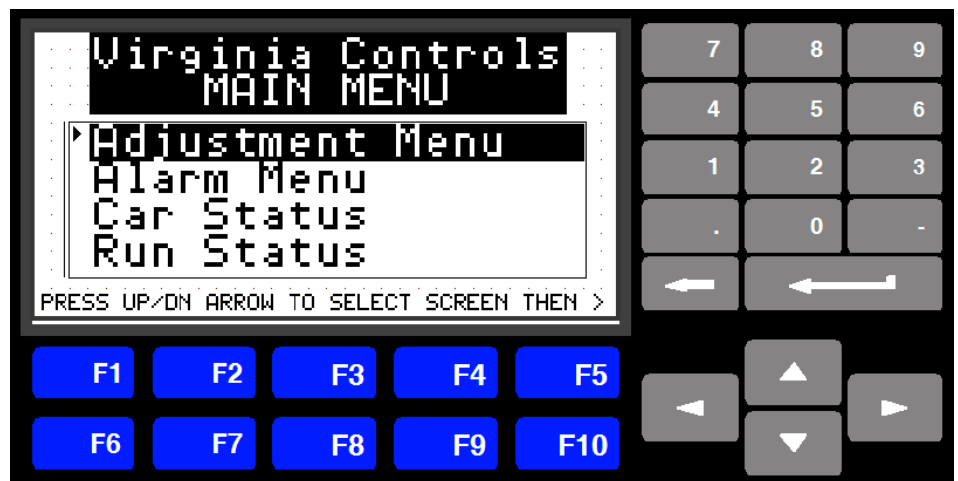

Figure 3 - PanelView 2711-K5A3

SCREENS

The screens are grouped in the following categories. The number of screens in each group will vary with each installation. Refer to the list of specific screens in the appendix for each particular job.

Group	Screen Name	Screen Description
Menu	Main Menu	Allows access to all other screens
	Adjustment Menu	Allows access to all Adjustment screens
	Alarm Menu	Allows access to Alarm screens
Status	Car Status	Shows general car status
	Run Status	Shows running status
	Shutdown Status	Shows shutdown conditions
	Door Status	Shows door status
	Fire Status	Shows Fire Service status
Monitor	Fault Log	Allows access to the PLC Fault Log
	Car Calls	Allows Car Calls to be viewed and registered
	Data Monitor	Allows internal data to be viewed
Adjustments	Adjustment Menu	Allows access to Adjustment screens
	Adjustment 1	Allows Settings to be adjusted
	Adjustment 2	Allows Settings to be adjusted
	Adjustment 3	Allows Settings to be adjusted
	Adjustment 4	Allows Settings to be adjusted
	Adjustment 5	Allows Settings to be adjusted
	Adjustment 6	Allows Settings to be adjusted
	Adjustment 7	Allows Settings to be adjusted
	Adjustment 8	Allows Settings to be adjusted
	The number of adjustment screens varies with each job	
	Refer to the appendix for the specific screens used with each job.	
Alarms	Alarm Menu	Allows access to Alarm Screens
	Active Alarms	Shows active alarms
	All Alarms	Shows all alarms in alarm history

FUNCTION KEYS

The definition of the Function Keys and Arrow Keys may vary depending on the screen being viewed. The default function is shown here, but if this is different for a particular screen, refer to the description of that screen.

NOTE: On PanelViews with a keypad, the F5 or F9 and F6 or F10 buttons are used instead of the left and right arrows to go to the previous and next screens.

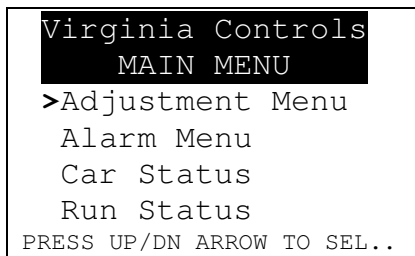| Key	Normal Function
Left Arrow (or F5 or F9)	Displays the Previous Screen
Right Arrow (or F6 or F10)	Displays the Next Screen
Enter	Accepts the current selection
Up Arrow	Increase a value
Down Arrow	Decrease a value
F1	Select value to adjust
F2	Select value to adjust
F3	Select value to adjust, or Jump to the Car Status Screen
F4	Go to the Main Menu

SCREEN DESCRIPTION

In the sample screens shown below, information in **BOLD** can be changed.

To change an adjustable value

- Navigate to the desired screen. From the Main Menu or Adjustment Menu, press the Up or Down Arrow to select the desired Adjustment Screen; press Enter to select the desired screen; if this is not the correct screen, press the Left (or F5 or F9) or Right Arrow (F6 or F10) to go to the desired screen.
- Press F1 or F2 or F3 to select the desired value to be changed. This will either open a screen to enter the new value, or display a vertical line to the left of the value to be changed.
- Press the Up and Down Arrow Keys to change the value to the desired value. If the key is pressed continuously the value will start scrolling automatically.
- For the Bit Features, when F1/F2/F3 is pressed, an edit window will be displayed. Use the Up and Down Arrow Keys to change each digit, and the Left and Right Arrow Keys to select the digit to be changed. Press Enter when the desired value is displayed. On PanelView model K (with a keypad) press F1/F2/F3 to select the Bit Feature value to change, then enter the new value on the keypad and press Enter to accept it.

MENU SCREENS

Main Menu

```
Virginia Controls
    MAIN MENU
>Adjustment Menu
 Alarm Menu
 Car Status
 Run Status
PRESS UP/DN ARROW TO SEL..
```

This screen provides access to the other screens. Press the Up or Down Arrows to select the desired screen as indicated by the small arrow at the left of the screen, then press Enter.

Line 1
- Title Line

Line 2
- Title Line

Line 3 through 6
- List of available screens. Press the Up or Down Arrows to select the desired screen, then press Enter to view that screen.

Line 7
- Scrolling help message: "PRESS UP/DN ARROW TO SELECT SCREEN THEN PRESS ENTER... PRESS F3 FOR CONFIGURATION..."

Other Keys available

Left Arrow (or F5 or F9) – Go to the previous screen

Right Arrow (or F6 or F10) – Go to the next screen

F3 – Go to Configuration Menu (Pressing the Left and Right Arrows will also open the Configuration Menu)

Note: The Configuration Menu allows various parameters to be set. These include communication parameters, screen settings, language settings. Refer to the Allen-Bradley PanelView Manual 2711-UM014E-EN-P for further details. The manual is available from the Allen-Bradley website in pdf format.

Adjustment Menu

```
─ ADJUSTMENT MENU ─
 >1 Door Times
  2 Bit Features
  3 Door Timers
  4 Misc Timers
  5 Misc Timers
PRESS UP/DN ARROW TO SELECT.
```

This screen provides access to the Adjustment screens. Press the Up or Down Arrows to select the desired screen as indicated by the small arrow at the left of the screen, then press Enter.

Line 1

• Title Line

Line 2 through 6

• List of available screens. Press the Up or Down Arrows to select the desired screen, then press Enter to view that screen.

Line 7

• Scrolling help message: "PRESS UP/DN ARROW TO SELECT SCREEN, THEN PRESS ENTER. F3=CONFIG MENU. F4=MAIN MENU."

Other Keys available

Left Arrow (or F5 or F9) – Go to the previous screen

Right Arrow (or F6 or F10) – Go to the next screen

F3 – Go to Configuration Menu

Note: The Configuration Menu allows various parameters to be set. These include communication parameters, screen settings, language settings. Refer to the Allen-Bradley PanelView Manual 2711-UM014E-EN-P for further details. The manual is available from the Allen-Bradley website in pdf format.

Alarm Menu

```
─   ALARM MENU    ─

 >Active Alarms
  All Alarms
  Main Menu

PRESS UP/DN ARROW TO SELECT.
```

This screen provides access to the other Alarm screens. Press the Up or Down Arrows to select the desired screen as indicated by the small arrow at the left of the screen, then press Enter.

Line 1

• Screen Title.

Line 2 Blank Line.

Line 3 through 5

• List of available screens. Press the Up or Down Arrows to select the desired screen, then press Enter to view that screen.

Line 6 Blank Line.

Line 7

• Scrolling help message: "PRESS UP/DN ARROW TO SELECT SCREEN, THEN PRESS ENTER. F2=CLEAR ALL ALARMS. F3=CONFIG MENU. F4=MAIN MENU."

Other Keys available

Left Arrow (or F5 or F9) – Go to the previous screen

Right Arrow (or F6 or F10) – Go to the next screen

F2 – Clear Alarm History. Press F2 then follow the prompts to clear the Alarm History.
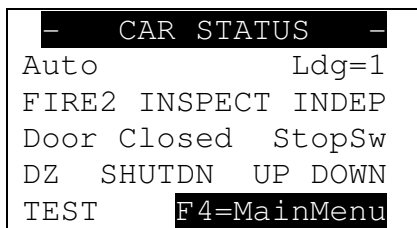
F3 – Go to Configuration Menu

F4 – Go to the Main Menu

Note: The Configuration Menu allows various parameters to be set. These include communication parameters, screen settings, language settings. Refer to the Allen-Bradley PanelView Manual 2711-UM014E-EN-P for further details. The manual is available from the Allen-Bradley website in pdf format.

STATUS SCREENS

The Status Screens show the status of the car, either in general, or of a specific part of the operation. If a particular mode or function is active, then the message for that mode is visible. In the screens shown below all messages are shown as if they are on, so that the relative positions can be seen. Normally only a few of the messages would be visible at any one time. The description for the screens below gives a breakdown by line of what will cause the messages to be displayed.

Car Status Screen

```
-    CAR STATUS    -
Auto             Ldg=1
FIRE2 INSPECT INDEP
Door Closed  StopSw
DZ  SHUTDN  UP DOWN
TEST     F4=MainMenu
```

Line 1
• Car Status Screen shows the basic status of the car
Line 2
• "Not AUTO" is visible if the car is not answering hall calls, otherwise "AUTO" is visible.
• "Ldg=1" shows the car Position Indicator, with "1" as the bottom ldg, "2" as the next ldg, etc.
Line 3
• "Fire" is visible if the car is on Fire Service, "2" is also visible if it is on Fire Service Phase 2.
• "INSPECT" is visible if the car is on Inspection Operation
• "INDEP" is visible if the car is on Independent Service
Line 4
• "Door Open" is visible if the Door Contacts Input is broken, indicating the Door Contacts String is open, otherwise "Door Closed" is visible indicating the Door Contacts String is closed.
• "StopSw" is visible if the Stop Switch is open.
Line 5
• "DZ" This is visible if the car is in the Door Zone.
• "SHUTDN" This is visible if the car is on shutdown. Go to the Shutdown Status screen for details on the cause of the shut down.
• "UP" This is visible if the car is running up.
• "DOWN" This is visible if the car is running down.
Line 6
• "TEST" This is visible if the car is in Test Mode. The hall calls will be cut out, and the doors will not open automatically.
• "F4=MainMenu" Press F4 to return to the Main Menu to select another screen.
Other Keys available
Left Arrow (or F5 or F9) – Go to the previous screen
Right Arrow (or F6 or F10) – Go to the next screen

Run Status Screen

```
-    RUN STATUS    -
Auto             Ldg=1
Door Open       StopSw
FAST SLOW     UP DOWN
SHUTDN      UL FDL DZ
OUT-DZ   F4=MainMenu
```

Line 1
• Run Status Screen shows information that affect the run status of the car
Line 2
• "Not AUTO" is visible if the car is not answering hall calls, otherwise "AUTO" is visible.
• "Ldg=1" shows the car Position Indicator, with "1" as the bottom ldg, "2" as the next ldg, etc.
Line 3
• "Door Open" is visible if the Door Contacts Input is broken, indicating the Door Contacts String is open, otherwise "Door Closed" is visible indicating the Door Contacts String is closed.
• "StopSw" is visible if the Stop Switch is open.
Line 4
• "FAST" This is visible if the car is running fast speed.
• "SLOW" This is visible if the car is slowing down on a floor-to-floor run.
• "UP" This is visible if the car is running up.
• "DOWN" This is visible if the car is running down.
Line 5
• "SHUTDN" This is visible if the car is on shutdown. Go to the Shutdown Status screen for details on the cause of the shut down.
• "UL" This is visible if the car is leveling up.
• "FDL" This is visible if the car is running down to a floor after stopping between floors.
• "DL" This is visible if the car is leveling down.
• "DZ" This is visible if the car is in the Door Zone.
Line 6
• "Out-DZ" This is visible if the car has stopped outside the Door Zone.
• "F4=MainMenu" Press F4 to return to the Main Menu to select another screen.
Other Keys available
Left Arrow (or F5 or F9) – Go to the previous screen
Right Arrow (or F6 or F10) – Go to the next screen

Shutdown Status Screen

Sample Screen for Traction systems showing all commonly used faults

```
- SHUTDOWN STATUS -
No Shutdown    Ldg=1
RUN SEQ   UL+DL ROPE
DvOff DvOnF DrCk DZF
REDUND HSC ETSD CFS
EmPwr    F4=MainMenu
```

Sample Screen for Hydraulic systems showing all commonly used faults

```
- SHUTDOWN STATUS -
No Shutdown    Ldg=1
UPRUN   REV.PH BORIS
OILVISC DrCk      DZF
REDUND   UL+DL   CFS
EmPwr    F4=MainMenu
```

Line 1
• Shutdown Status Screen shows if and why the car is shut down.
Line 2
• "No SHUTDOWN" is visible if the car is not in shutdown, otherwise "SHUTDOWN" is visible.
• "Ldg=1" shows the car Position Indicator, with "1" as the bottom ldg, "2" as the next ldg, etc.
Lines 3 through 6
Lines 3 through 6 show any faults that are currently present in the system. The actual faults for a particular job may vary, depending on the drive system and type of control. A list of specific faults for each job is listed in the appendix of the manual for that job. The following is a list of faults, and their possible causes. If the wording shown in quotes below is visible on the screen, then that fault has occurred.
• "BORIS" (Used with Hydraulic systems only). This is visible if the Boris Input is off, and the car is on battery backup operation. The car will return to the lowest landing and shut down until normal power is restored.
• "Brk" or "BRAKE" or "SEQ" (Used with Traction systems only) Start/Stop Sequence Fault. This is visible if the Drive On or Safe or Brake Micro Sw inputs fail to change state properly when the car starts or stops. Check the contacts in the Drive On and Safe input circuits if this fault occurs. A problem with a relay contact in one of the running circuits could also cause this fault.
• "DrCk" or "DrCheck" (Used with Door Contact Monitoring) This is visible if the Door Contact Input indicates the doors are closed, but the Door Close Limit indicates the doors are open. This is usually caused by jumping the Door Contacts.
• "DvOff" (Used with Drives that provide an ON Input) This is visible if the Drive Ready signal is off, indicating the drive is not ready to run. Check the drive.
• "DvOnF" (Used with Drives that provide an ON Input) This is visible if the car was running and the Drive On input went off. This is usually caused by a drive fault. Check the fault log in the drive.
• "DZF" (if used) This is visible if the Door Zone Fault Timer indicates the Door Zone Input has stuck on.
• "EP" or "EmPwr" (if used) This is visible if the system is on Emergency Power. This does not necessarily put the car on shutdown, as the car may be returning to the Main Ldg, or selected to run.
• "ETSD" (Used with Emergency Terminal Slowdown Device) This is visible if the High Speed Counter detected an overspeed as the car approached the terminal landing. Refer to the ETSD setup and operating instructions in the schematic for details on setting up and operating the ETSD system. This fault will also be seen if the ETSD Switches do not operate as expected when the car reaches a terminal landing.
• "FSC" or "CFS" (if used) This is visible if the Fast Speed Counter has tripped. This will occur if the car attempts to leave a floor 20 times, but relevels back to the floor each time. This usually occurs if the FS relay contacts is series with the Leveling Common are not cutting out leveling as the car tries to leave the floor. The counter is reset if the car runs to another floor.
• "HSC" (Used with High Speed Counter) This is visible if the High Speed Counter has detected an overspeed condition. Check the FA sheet in the schematic and the fault indicators (usually the car call lights) to deteremine which overspeed fault occurred.
• "Lev" or "LevSw" or "UL+DL" This is visible if the Up and Down Leveling Switches are on at the same time.
• "OilVisc" (if used, Hydraulic systems only) This is visible if the system is on Oil Viscosity. The car will run to the bottom landing, and energize the pump motor with the doors closed, to warm up the oil.
• "PA-FAIL" (Used with Variable Frequency AC Drives only) This is visible if the PA Input fails to come on during a run. The PA input shows the external run condition.
• "PA-STUCK" (Used with Variable Frequency AC Drives only) This is visible if the PA Input fails to drop after a run. This could indicate a stuck contactor.
• "RedF" or "REDUND" (if used) This is visible if a Redundancy Fault occurs. This is tripped by comparing the monitoring inputs with the operation of the car, as required by the appropriate codes. Relays and circuits in the safety string are monitored. Check the Fault Log to determine which type of fault occurred, whether it was a fault involving a running circuit, or a non-running circuit.
• "RevPh" (if used, Hydraulic systems only) This is visible if the Reverse Phase is tripped.

- "Rope" (Used with Rope Brake) This is visible if the Rope Brake has tripped. This will occur if the car moves out of the Door Zone with the doors open; or if the Brake Micro Switch fails to operate after the car stops; of if the car speed increases when the car should be stopped.
- "Run" (Traction systems) This is visible if the car has been running for a preset adjustable time, and has not passed a floor. The car will shutdown wherever it is. The root cause is that the PLC thinks the car should be running, but the selector does not indicate the car is passing floors. Check the selector, drive, speed selection contacts to the drive, run relays, brake relays.
- "SEQ" or "Brk" or "BRAKE" (Used with Traction systems only) Start/Stop Sequence Fault. This is visible if the Drive On or Safe or Brake Micro Sw inputs fail to change state properly when the car starts or stops. Check the contacts in the Drive On and Safe input circuits if this fault occurs. A problem with a relay contact in one of the running circuits could also cause this fault.
- "UPRUN" (Hydraulic systems) This is visible if the car has been running up for a preset adjustable time. The car will stop, then run down to the main landing or the lowest landing. The doors will operate, but the car will not run. Possible causes include low oil level, pump motor failure, failure of the pump initiation contacts, or failure of the floor positioning system.

Line 6
- "F4=MainMenu" Press F4 to return to the Main Menu to select another screen.

Other Keys available
Left Arrow (or F5 or F9) – Go to the previous screen
Right Arrow (or F6 or F10) – Go to the next screen

Door Status Screen

```
-   DOOR STATUS   -
OPEN            Ldg=1
OPENING      ICU-TMR
CLOSING   OPEN FAIL
CLOSED   CLOSE FAIL
NUDGING F4=MainMenu
```

Line 1
- Door Status Screen shows the status of the doors.

Line 2
- "OPEN" This is visible if the Door Open Limit is broken, indicating the doors are fully open.
- "Ldg=1" shows the car Position Indicator, with "1" as the bottom ldg, "2" as the next ldg, etc.

Line 3
- "OPENING" This is visible if the doors are opening.
- "ICU-TMR" This is visible if the ICU Timer has tripped. The ICU/Electric Eye Input will be disabled. The Safety Edge, if used, will still operate. The trip time for the cutout timer is adjustable.

Line 4
- "CLOSING" This is visible if the doors are closing
- "OPEN FAIL" This is visible if the doors failed to open properly. The doors will close, and the car will continue to answer other calls. Check the setting of the Door Open Limit Switch.

Line 5
- "CLOSED" This is visible if the doors are fully closed
- "CLOSE FAIL" This is visible if the doors failed to close properly. The doors will reopen, then attempt to close again. Check the setting of the Door Close Limit Switch.

Line 6
- "NUDGING" This will be energized if the doors are Nudging. This can be initiated by the Nudging Timer or the ICU Timer.
- "F4=MainMenu" Press F4 to return to the Main Menu to select another screen.

Other Keys available
Left Arrow (or F5 or F9) – Go to the previous screen
Right Arrow (or F6 or F10) – Go to the next screen

Fire Status Screen

```
-   FIRE STATUS   -
Normal          Ldg=1
PHASE1
SMOKE ALT.LDG MRSmk
PHASE2  HOLD RETURN
SHUNT   F4=MainMenu
```

Line 1
• Fire Status Screen shows the status of Fire Service
Line 2
• "Normal" This is visible if the car is NOT on Fire Service Phase 1 or Phase2.
• "Ldg=1" shows the car Position Indicator, with "1" as the bottom ldg, "2" as the next ldg, etc.
Line 3
• "PHASE1" This is visible if the car is on Fire Service Phase 1.
Line 4
• "SMOKE" This is visible if a Smoke Sensor has tripped, and the system is on Fire Service
• "ALT.LDG" This is visible if the Main Landing Smoke Sensor has tripped and the car is to return to the Alternate Landing.
• "MRSmk" This is visible if the Hoistway or Machine Room Smoke Detector(s) have tripped. This will cause the Fire Light to flash.
Line 5
• "PHASE2" This is visible if the car is on Fire Service Phase 2.
• "HOLD" This is visible if the car is on Fire Service Phase 2 in the Hold Mode (doors fully open and the Car Fire Switch in the Hold position)
• "RETURN" This is visible if the car is on Fire Service Phase 2 in the Return Mode (doors fully open and the Car Fire Switch in the Off position).
Line 6
• "SHUNT" This is visible if the Machine Room Fire Sensor(s) have tripped. This is part of the Shunt Trip system, and indicates the Shunt Trip will be activated soon, thus removing power from the controller. The car will stop at the next floor.
• "F4=MainMenu" Press F4 to return to the Main Menu to select another screen.
Other Keys available
Left Arrow (or F5 or F9) – Go to the previous screen
Right Arrow (or F6 or F10) – Go to the next screen

MONITOR SCREENS

Fault Log Screen

```
-   FAULT LOG    -
FAULT **##**
CODE  ##   TIME ##.#
FAULT STATUS LDG=##
# # # # # # # # # # #
          F4=MainMenu
```

Line 1
• Fault Log shows the Fault Log recorded by the PLC. This gives a Fault Code and car status when the fault occurred.
Line 2 shows the Fault Log entry currently being viewed, which will be a value between 1 and 50. To view additional faults, press the Up or Down Arrows to scroll through the table.
Line 3 shows the Fault Code and Time stamp for the Fault Log Entry that is currently being viewed. Refer to the FAULTLOG sheet in the schematic for a description of all the Fault Codes. Note: The Fault Code is

displayed in DECIMAL, but the list in the FaultLog sheet may show the Fault Code as Hexadecimal or Decimal. Refer to the notes on the FaultLog sheet and the chart below to translate the value from decimal to hexadecimal, as required. The most recent FaultLog sheets show the faults as decimal so no conversion should be necessary.

Dec	Hex	Dec	Hex	Dec	Hex	Dec	Hex	Dec	Hex	Dec	Hex	Dec	Hex	Dec	Hex	Dec	Hex	Dec	Hex
0	0	4	4	8	8	12	C	16	10	20	14	24	18	28	1C	32	20	36	24
1	1	5	5	9	9	13	D	17	11	21	15	25	19	29	1D	33	21	37	25
2	2	6	6	10	A	14	E	18	12	22	16	26	1A	30	1E	34	22	38	26
3	3	7	7	11	B	15	F	19	13	23	17	27	1B	31	1F	35	23	39	27

The TIME value on line 2 (if shown) is the number of hours since the fault occurred. This is most valuable on recent faults, as it does not include the number of days since the fault occurred. The program compares the current time stamp with the time stamp for the fault, and displays the difference in hours. For example if the display shows 3.5 then the fault occurred 3 hours and 30 minutes ago. If this is an old fault, and there were rollover faults earlier in the fault log, then the time value still indicates the time of day, but it does not indicate how many days ago the fault occurred.

Line 4 shows the landing the car was at when the fault occurred.

Line 5 shows the Car Status at the time of the fault for the Fault Log Entry that is currently being viewed. The 11 '0's correspond to bits 15 to 5 as described in the FAULTLOG sheet in the schematic, and as shown below. Bit 15 is on the far left, and Bit 5 is on the right. For Redundancy faults, the status bits may have different meanings, to aid in determining the cause of the fault. Refer to the schematic for the meaning of the status bits for Redundancy faults.

      Status Bits for Normal Faults (all faults except Redundancy Faults)

      [xxxx xxxx xx?] Bit 5 = Last Run was Up (0=Down)

      [xxxx xxxx x?x] Bit 6 = Last Direction Indicator was Up (0=Down)

      [xxxx xxxx ?xx] Bit 7 = Car was Running

      [xxxx xxx? xxx] Bit 8 = Car was Running Fast Speed

      [xxxx xx?x xxx] Bit 9 = Car was on a Floor-to-Floor Run

      [xxxx x?xx xxx] Bit 10 = Door Contacts Input was ON

      [xxxx ?xxx xxx] Bit 11 = Door Close Limit Input was ON

      [xxx? xxxx xxx] Bit 12 = Door Open Limit Input was ON

      [xx?x xxxx xxx] Bit 13 = Up Level Switch Input was ON

      [x?xx xxxx xxx] Bit 14 = Down Level Switch Input was ON

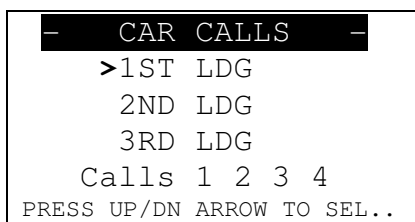   [?xxx xxxx xxx] Bit 15 = Door Zone Switch Input was ON

Line 6
- "F4=MainMenu" Press F4 to return to the Main Menu to select another screen.

Other Keys available

Left Arrow (or F5 or F9) – Go to the previous screen

Right Arrow (or F6 or F10) – Go to the next screen

Car Calls Screen

```
–    CAR  CALLS    –
    >1ST LDG
     2ND LDG
     3RD LDG
   Calls 1 2 3 4
PRESS UP/DN ARROW TO SEL..
```

This screen shows the existing car calls and allows car calls to be registered to any floor. Calls cannot be registered if the car is on Fire Service. If you attempt to register a call for a landing that the car does not serve, the call will not be registered.

Line 1
- Car Calls screen shows existing car calls and allows car calls to be entered.

Lines 2 through 4
- Press the Up or Down Arrows to select the landing for the call to be entered. Press the Enter key to register the call.

Line 5
- This line shows calls currently registered. The number corresponding to each car call is visible if that call is registered.

Line 6
- This shows a scrolling help message "PRESS UP/DN ARROW TO SELECT LDG, PRESS ENTER TO REGISTER CALL... PRESS F4 FOR MAIN MENU..."

Other Keys available
F4 – Go to the Main Menu
Left Arrow (or F5 or F9) – Go to the previous screen
Right Arrow (or F6 or F10) – Go to the next screen

Monitor Data Screen

```
–  MONITOR DATA  –
 TABLE      ######
 WORD       ######
 DATA       ######
 NEW VALUE######
            F4=MainMenu
```

This screen allows internal data to be monitored. Refer to the appendix for the number to enter in the pointer value and what will be displayed on the Data line.

Line 1
- Monitor Data allows internal data to be viewed.

Line 2 shows the Monitor Table Pointer. Press F1 button then the Up or Down Arrows to change the Table. A Table is a group of common memory types. The standard tables are Outputs (Table 0), Inputs (Table 1), Internal Coils (Table 3), Timers (Table 4), Counters (Table 5), Integers (Table 7), Adjustable Bit Features (Table 15) and Adjustable Settings (Table 16).

Line 3 shows the Monitor Word Pointer. Press F2 button then the Up or Down Arrows to change the Word. The word is a 16bit value in the Table.

Line 4 shows the value of the data selected by the pointer. Refer to the appendix for the table of what data will be displayed for the pointer values. The value will be shown as an Unsigned Integer.

Line 5 (optional) shows the new value of the data selected by the pointer. To change the current value to this new value, Press F3 to edit the New Value. Then change the new value to the desired value (a 16bit integer between 0 and 65535), and press Enter. Press ESC to abort the change.

Warning: Changing data may cause dangerous or unexpected results. Do not make any changes unless you are sure you know what you are changing. Not all Tables can be changed. For example, Input and Output tables cannot be changed. In general, Tables 3,7,14,15,16 can be changed. If Line 5 is not shown, then the data can be monitored but not changed.

Line 6
- "F4=MainMenu" Press F4 to return to the Main Menu to select another screen.

Other Keys available
Left Arrow (or F5 or F9) – Go to the previous screen
Right Arrow (or F6 or F10) – Go to the next screen

ADJUSTMENT SCREENS

Refer to the appendix and the FA adjustment sheet in the schematic for a listing of the factory default values and settings available for each specific job. The adjustment screens allow these values to be adjusted. The Appendix shows a layout of any special screens available for each specific job.

To change an adjustable value

- Navigate to the desired screen. From the Main Menu or Adjustment Menu, press the Up or Down Arrow to select the desired Adjustment Screen; press Enter; press the Left or Right Arrow (or F5 or F9 or F6 or F10) to select the desired screen, if required.
- For all values except the Bit Features, press F1 or F2 or F3 to select the desired value to be changed. This will display a vertical line to the left of the value to be changed.
- Press the Up and Down Arrow Keys to change the value to the desired value. If the key is pressed continuously the value will start scrolling automatically.
    WARNING: the value will change as soon as the Up or Down Arrow is pressed.
- For the Bit Features, when F1/F2/F3 is pressed, an edit window will be displayed. Use the Up and Down Arrow Keys to change each digit, and the Left and Right Arrow Keys to select the digit to be changed. Press Enter when the desired value is displayed. On PanelView model K (with a keypad) press F1/F2/F3 to select the Bit Feature value to change, then enter the new value on the keypad and press Enter to accept it.

The samples shown in this section are typical screens. The actual screens for each job may vary depending on the adjustments available for that job.

Lines 1 and 2 show the heading for the screen, which indicates the type of settings on that screen. It also shows the screen number on the far right.

Lines 3 through 5 show the settings for that screen. Refer to the listing provided with this manual in the Appendix, for a listing of the settings used with a particular job, which screen they are located on, and the factory default settings. The listing below, grouped by function, shows a description of the possible settings. Sheet FA in the schematic also shows the settings available for the specific job, and shows the factory default settings.

Line 6 shows a scrolling help message: "PRESS F1/F2/F3 TO SELECT ITEM. PRESS UP/DN ARROW TO CHANGE. PRESS F4 FOR MAIN MENU".

Other Keys available

Left Arrow (or F5 or F9) – Go to the previous screen
Right Arrow (or F6 or F10) – Go to the next screen
F4 – Go to the Main Menu

Typical Screen

```
 –       ADJUST 1       –
        DOOR TIMES
F1-HALL CALLS  #####
F2-CAR CALLS   #####
F3-SHORTENED   #####
PRESS 1/2/3 TO SELECT IT..
```

The following list shows the normal names and their description.

- "HALL CALLS" The Door Time when responding to a Hall Call.
- "CAR CALLS" The Door Time when responding to a Car Call.
- "SHORTENED" The Door Time when reopening from a Door Open Button, or if the Door Close Button has been pressed.
- "HOME LDG" The landing the car will home to if the Alternate or Hi Home feature is enabled. Note: A value of "0" selects the bottom landing, "1" is the next landing, etc.
- "MAIN FIRE LDG" The landing the car will go to on Fire Service when returning to the designated landing. Note: A value of "0" selects the bottom landing, "1" is the next landing, etc.
- "ALT FIRE LDG" The landing the car will go to on Fire Service when returning to the Alternate Landing. Note: A value of "0" selects the bottom landing, "1" is the next landing, etc.
- "ADJ FEAT1" Adjustable Bit Features 1, as shown on sheet FA of the schematic.
- "ADJ FEAT2" Adjustable Bit Features 2, as shown on sheet FA of the schematic.
- "ADJ FEAT3" Adjustable Bit Features 3, as shown on sheet FA of the schematic.

- "DOOR STUCK" Delay before stopping door open or close sequence.
- "ICU CUTOUT" Delay before cutting out the ICU input.
- "NUDGING" Delay before initiating Nudging, if used. Note: A call must be registered to initiate the Nudging Timer
- "RUN TIMER" If the car runs for this time without passing a floor it will shut down. On Hydraulics, this applies to the up direction only.
- "UP RUN" If the car runs up for this time without passing a floor it will shut down.
- "HOMING" Delay before initiating homing.
- "PI CUTOUT" Delay before turning off the Position Indicator outputs.
- "IND CUTOUT" Delay before cutting out Independent Service if Fire Service is initiated.
- "CAR STUCK" Delay before preventing the call buttons from reopening the doors. This prevents a stuck button from holding the car at a floor.
- "FIRE CLOSE" Delay before closing the doors if the car is on Fire Service and Shutdown. This feature is required on 2000 and later Fire Codes.
- "LOW MASK" The value sets which floors are in the Low Zone of a Duplex system. This value should not normally be adjusted.
- "HELP TIME" Delay before allowing a car to respond to calls assigned to the other car of a Duplex system. This is not used on a Simplex (single car).
- "BACK CALL" Delay before allowing a car to respond to calls when the other car has a call behind it. This is not used on a Simplex (single car).
- "DHOS TIME" Door Time after the Door Hold Open Switch is released.

Note: Some of the settings depend on the appropriate feature being available and activated. For example, the Nudging setting will have no effect if Nudging feature is not initiated.

ALARM SCREENS

When an alarm is triggered, the PanelView displays an Alarm Banner Screen on top of whichever screen is currently being viewed. This draws the operators attention to the alarm. If desired, the operator can press the F2 button to clear the Alarm Banner. This does not clear the alarm, it merely removes the banner from the screen so that the underlying screen can be viewed again.

The alarm is also logged into the PanelView's memory, and can be displayed by means of the Alarm Screens. The PanelView keeps track of the last 50 alarms in its own memory, along with a Time/Date stamp for each alarm. To access the alarm history, navigate to the Active Alarm Screen or the All Alarm Screen. This can be done directly from the Main Menu, or from the Alarm Menu. The Active Alarm Screen shows alarms that are currently active (in the Alarm state), while the All Alarms Screen shows all alarms.

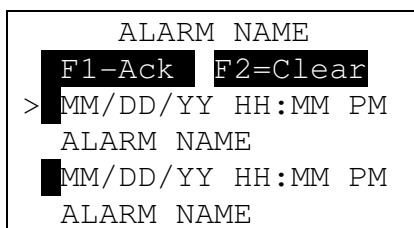The Appendix shows a layout of any special screens available for each specific job.

Alarms

The following table shows the faults that will trigger an alarm. The message that shows on the screen as the alarm name is shown in the left column. The Fault Number for each fault is shown in the second column. The value is shown in hexadecimal first (the hexadecimal value is shown on the FL sheet in the schematic), with the decimal equivalent in parentheses (the decimal value is shown on the Fault Log Screen on the PanelView). The third column gives a description of the fault.

ALARM NAME	FAULT#	DESCRIPTION
ROPEBRAKE	0E (14) 17 (23) 18 (24) 1A (26)	Rope Brake Fault (if used). The Rope Brake can be tripped by one of the following conditions: Fault 0E(14)-The car moved out of the Door Zone with the doors open. Fault 17(23)-Runaway Fault. Car exceeded 50fpm when it should not be running. Fault 18(24)-Brake Fault. The Brake Micros Sw indicated the Brake failed to drop. Fault 1A(26)-Rope Brake Check Fault. The Rope Brake contacts failed their self-check, which is performed after every run. Check the PLC Fault Log to determine which fault occurred.

ALARM NAME	FAULT#	DESCRIPTION
HSC FAULT	0B (11)	High Speed Counter Fault (if used). An overspeed condition was detected. Possible faults include exceeding 110% of contract speed; exceeding 150fpm on Inspection; exceeding 50fpm with the doors open; loss of Tachometer signal; tachometer showed the car running the wrong direction. The specific fault will be shown on a fault output indicator.
SEQUENCE FAULT	02 (2)	Sequence Fault or Brake Timer Fault (if used). Traction only. The Brake Micro Switch Input, Safe Input and other run inputs (such as BK1, BK2, P, PZ, or PX contacts) failed to change state properly within 3 seconds of the start or end of a run. This indicates a sequence failure. The most common cause is a failure of one of the auxiliary contacts of the run contactors.
RUNNING FAULT or RUN FAULT	01 (1)	Run Timer Fault. The car ran for a preset adjustable time (normally 25 seconds) without passing a floor. On Hydraulic elevators, this is the Low Oil Timer, and operates in the up direction only, and will return the car to the lowest landing. On Traction elevators, the timer operates in both directions and shuts the car down wherever it is.
ETSD FAULT	0C (12)	Emergency Terminal Slowdown Detection Overspeed Fault (if used). An overspeed was detected at a terminal landing, or the ETSD Sws did not operate properly. See the ETSD sheet in the schematic.
DRIVE ON FAULT	11 (17)	The Drive On Input went off while the car was running.
REDUNDANCY FAULT	1C (28) 1D (29) 1E (30) 1F (31)	Redundancy Fault. Fault 1C(28) - A fault occurred with the Rope Brake or Stop Sw Bypass relays. Fault 1D(29) - A fault occurred with the Leveling or Running relays. Fault 1E(30) - A fault occurred in the Safety String. Fault 1F(31) - A fault occurred in the Inspection contacts in the Safety String. Check the PLC Fault Log to determine which fault occurred.
LEVEL SW FAULT	12 (18)	Up and Down Level Switches were both on at the same time.
DOOR ZONE FAULT	1B (27)	Door Zone input stuck on.
DOOR CHECK FAULT	0D (13)	Door Check Fault (if used). Door Contacts were closed when the Door Open Limit was broken.
LOW OIL SW	02 (02)	The Low Oil Switch input energized. (Hydraulic systems only) The car will shut down.
REVERSE PHASE	-	The Reverse Phase input went off. (Hydraulic systems only) The car will shut down.
BORIS	05 (05)	The BORIS input went off. (Hydraulic systems only) The car will shut down.
COMMUNICATION	10 (16)	The communication between this controller and other controllers in the group failed (if used).

Alarm Banner Screen

```
        ALARM NAME
   F1-Ack   F2=Clear
 > MM/DD/YY HH:MM PM
   ALARM NAME
   MM/DD/YY HH:MM PM
   ALARM NAME
```

Line 1
• The name of the Alarm that is currently active. This line will flash.

Line 2 Help Line. Press F1 to acknowledge the alarm (This is not normally visible, since the alarms are self-clearing when the alarm condition returns to normal). Press F2 to Clear the Alarm Banner. This does not clear the alarm, it merely removes the banner from the screen.

Lines 3 and 4

- Data for current Active Alarm. The alarm is displayed on two lines for each alarm, with the date and time stamp on the first line and the alarm name on the second line. The black box to the left of the alarm indicates that it does not need to be acknowledged.

Lines 5 and 6

- Data for an additional current Active Alarm. If multiple alarms are active, then they will be displayed on two lines for each alarm, with the date and time stamp on the first line and the alarm name on the second line. You can scroll through multiple alarms by pressing the Up or Down Arrows. The black box to the left of the alarm indicates that it does not need to be acknowledged.
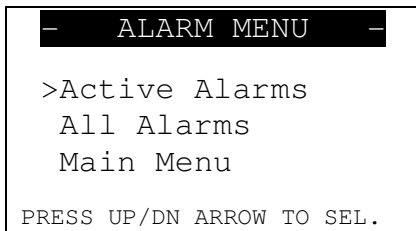
Other Keys available

F1 – Acknowledge the Alarm. This is not visible if the alarm does not require acknowledging.
F2 – Clear the Alarm from the screen.
Up Arrow – Scroll through the alarm list.
Down Arrow – Scroll through the alarm list.

Alarm Menu Screen

```
 –    ALARM MENU    –

 >Active Alarms
  All Alarms
  Main Menu

PRESS UP/DN ARROW TO SEL.
```

Line 1

- Screen Title.

Line 2 Blank Line.

Line 3 through 5

- List of available screens. Press the Up or Down Arrows to select the desired screen, then press Enter to view that screen.

Line 6 Blank Line.

Line 7

- Scrolling help message: "PRESS UP/DN ARROW TO SELECT SCREEN, THEN PRESS ENTER. F2=CLEAR ALL ALARMS. F3=CONFIG MENU. F4=MAIN MENU."

Other Keys available

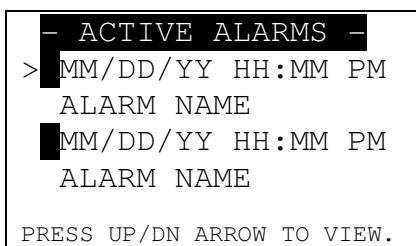Left Arrow (or F5 or F9) – Go to the previous screen
Right Arrow (or F6 or F10) – Go to the next screen
F2 – Clear Alarm History. Press F2 then follow the prompts to clear the Alarm History.
F3 – Go to Configuration Menu
F4 – Go to the Main Menu

Active Alarms Screen

```
 – ACTIVE ALARMS –
 > MM/DD/YY HH:MM PM
   ALARM NAME
   MM/DD/YY HH:MM PM
   ALARM NAME

PRESS UP/DN ARROW TO VIEW.
```

Line 1

- Screen Title.

Lines 2 and 3
- Data for most recent Active Alarm. Each alarm is displayed on two lines, with the first line showing the date and time stamp for the alarm, and the second line showing the Alarm Name. An Active Alarm is one that is still in the alarm state. The black box to the left of the alarm indicates that it does not need to be acknowledged.

Lines 4 and 5
- Data for earlier Active Alarm. Each alarm is displayed on two lines, with the first line showing the date and time stamp for the alarm, and the second line showing the Alarm Name.

Line 6 Blank Line.

Line 7
- Scrolling help message: "PRESS UP/DN ARROW TO VIEW ALARMS. PRESS F3 TO CLEAR ALL ALARMS. PRESS F4 FOR MAIN MENU."
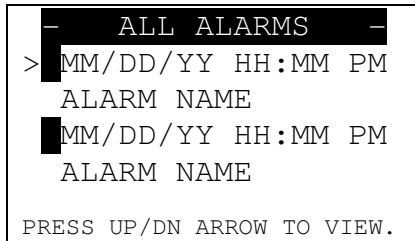
Other Keys available

Left Arrow (or F5 or F9) – Go to the previous screen

Right Arrow (or F6 or F10) – Go to the next screen

F3 – Clear Alarm History. Press F3 then follow the prompts to clear the Alarm History.

F4 – Go to the Main Menu

All Alarms Screen

```
─   ALL ALARMS   ─
> MM/DD/YY HH:MM PM
  ALARM NAME
 ▮MM/DD/YY HH:MM PM
  ALARM NAME

PRESS UP/DN ARROW TO VIEW.
```

Line 1
- Screen Title.

Lines 2 and 3
- Data for most recent Alarm. Each alarm is displayed on two lines, with the first line showing the date and time stamp for the alarm, and the second line showing the Alarm Name. The black box to the left of the alarm indicates that it does not need to be acknowledged.

Lines 4 and 5
- Data for earlier Alarm. Each alarm is displayed on two lines, with the first line showing the date and time stamp for the alarm, and the second line showing the Alarm Name.

Line 6 Blank Line.

Line 7
- Scrolling help message: "PRESS UP/DN ARROW TO VIEW ALARMS. PRESS F3 TO CLEAR ALL ALARMS. PRESS F4 FOR MAIN MENU."

Other Keys available

Left Arrow (or F5 or F9) – Go to the previous screen

Right Arrow (or F6 or F10) – Go to the next screen

F3 – Clear Alarm History. Press F3 then follow the prompts to clear the Alarm History.

F4 – Go to the Main Menu

MANUAL REVISIONS

Version 3.4a

11/10/10 added references for Panelview Plus 400.

Version 3.4

06/29/07 modified Data Monitor instructions to include entering new values.

Version 3.3a

11/22/06 modified Fault Log instructions

Version 3.3

10/30/06 modified Monitor Screen, for Job 14871

Version 3.2

05/27/06 modified fault log, adjustment menu, for Job 14346

Version 3.1

02/12/06 Initial version, for Job 14217

Filename: panelview_v34a.doc
Revision Date: 11/27/12

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PANELVIEW QUICK START INSTRUCTIONS

To move through the screens
- From the Main Menu, press the Up or Down Arrow to select the desired screen then press Enter.
- From any screen, press the Left or Right Arrow (or F5 or F9 or F6 or F10) to scroll through the screens.
- Press F4 to jump to the Main Menu screen

To view the car status
- Navigate to the desired Status screen. The Car Status screen shows the general car status.
- Press the Left or Right Arrow (or F5 or F9 or F6 or F10) to view the additional status screens

To register a car call
- Navigate to the Car Call Screen.
- Press the Up or Down Arrow to select the desired landing for the new car call.
- Press Enter to register the call.
- The registered calls are shown on Line 5 of the screen.

To change an adjustable value
- Navigate to the desired screen. From the Main Menu or Adjustment Menu, press the Up or Down Arrow to select the desired Adjustment Screen; press Enter; press the Left or Right Arrow (or F5 or F9 or F6 or F10) to select the desired screen, if required.
- For all values except the Bit Features, press F1 or F2 or F3 to select the desired value to be changed. This will display a vertical line to the left of the value to be changed.
- Press the Up and Down Arrow Keys to change the value to the desired value. If the key is pressed continuously the value will start scrolling automatically.
    WARNING: the value will change as soon as the Up or Down Arrow is pressed.
- For the Bit Features, when F1/F2/F3 is pressed, an edit window will be displayed. Use the Up and Down Arrow Keys to change each digit, and the Left and Right Arrow Keys to select the digit to be changed. Press Enter when the desired value is displayed. On PanelView model K (with a keypad) press F1/F2/F3 to select the Bit Feature value to change, then enter the new value on the keypad and press Enter to accept it.

To view the history of previous Alarms
- Navigate to the "All Alarms" screen to view a history of alarms in the PanelView. Press the Up or Down Arrow to scroll through the list. The list shows the fault name, and time and date stamp for the fault.
- To view the fault log in the PLC, navigate to the Fault Log screen. Press the Up or Down Arrow to select the desired fault (0 is the most recent fault).
- The Car position and status when the fault occurred is shown.
- The Time value is the number of hours since the fault occurred.

PANELVIEW QUICK START INSTRUCTIONS - PV400

To move through the screens

- From the Main Menu, press the Up or Down Arrow to select the desired screen then press Enter.
- From any screen, press F5 or F6 to scroll through the screens.
- Press F4 to jump to the Main Menu screen. Press F3 to go to the Car Status from most screens.

To view the Car Status

- Navigate to the desired Status screen. The Car Status screen shows the general car status.
- Press F5 or F6 to view the additional status screens

To register a Car Call

- Navigate to the Car Call Screen. (Press F3 from the Car Status screen)
- Press the Up or Down Arrow to select the desired landing for the new car call.
- Press Enter to register the call.
- The registered calls are shown on Line 5 of the screen.

To change an Adjustable Setting

- Navigate to the All Settings screen. From the Main Menu or Adjustment Menu, press the Up or Down Arrow to select the desired Adjustment Screen; press Enter; press F5 or F6 to select the desired screen, if required.
- Press F1 then enter the value of the setting to be changed, as shown on sheet FA1.
- Press F2 then enter the new value.

To view the history of previous Alarms

- Navigate to the "All Alarms" screen to view a history of alarms in the PanelView. Press the Up or Down Arrow to scroll through the list. The list shows the fault name, and time and date stamp for the fault.
- To view the fault log in the PLC, navigate to the Fault Log screen. Press the Up or Down Arrow to select the desired fault (0 is the most recent fault).
- The Car position and status when the fault occurred is shown.
- The Time value is the number of hours since the fault occurred.