PanelView 550 Monochrome Terminals

The touch screen version of the PanelView 550 terminal is available only with 24V DC power. The L1 in the catalog number indicates DC power.

Operator Input	Communication Port								Printer Port RS-232	Catalog Number[1]
	RIO	DH-485	RS-232 (DH-485)	DH+	DeviceNet	ControlNet	RS-232 (DF1)	Ethernet		
Touch Screen and Keypad	x								x	2711-B5A1
		x								2711-B5A2
		x							x	2711-B5A3
			x							2711-B5A5
				x					x	2711-B5A8
			x						x	2711-B5A9
					x				x	2711-B5A10
						x			x	2711-B5A15
							x		x	2711-B5A16
								x	x	2711-B5A20
Keypad	x								x	2711-K5A1
		x								2711-K5A2
		x							x	2711-K5A3
			x							2711-K5A5
				x					x	2711-K5A8
			x						x	2711-K5A9
					x				x	2711-K5A10
						x			x	2711-K5A15
							x		x	2711-K5A16
								x	x	2711-K5A20
Touch Screen (24V DC only)	x								x	2711-T5A1L1
		x								2711-T5A2L1
		x							x	2711-T5A3L1
			x							2711-T5A5L1
				x					x	2711-T5A8L1
			x						x	2711-T5A9L1
					x				x	2711-T5A10L1
						x			x	2711-T5A15L1
							x		x	2711-T5A16L1
								x	x	2711-T5A20L1

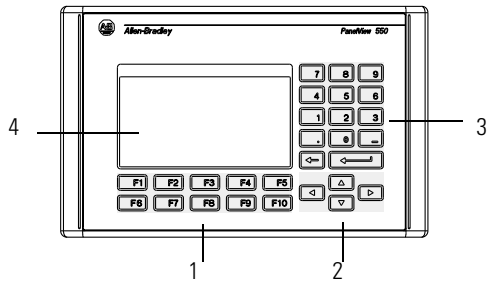
[1] Add L1 to the end of the catalog number for 24V DC power.
Add L2 to the end of a catalog number for stainless steel. Not available for the touch screen terminals.
Add L3 to the end of a catalog number for 24V DC power and stainless steel. Stainless steel is not available for the touch screen terminals.

PanelView 550 Terminal Features

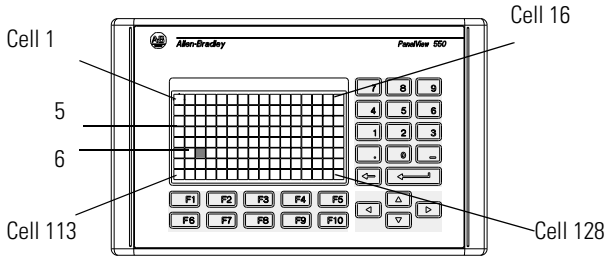
This section defines features of the PanelView 550 terminals.

PanelView 550 Terminal Features (front)

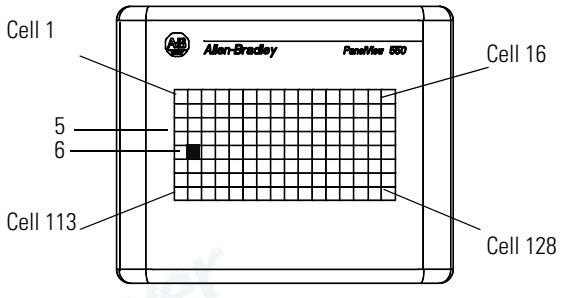
Keypad Terminal



Keypad & Touch Screen Terminal



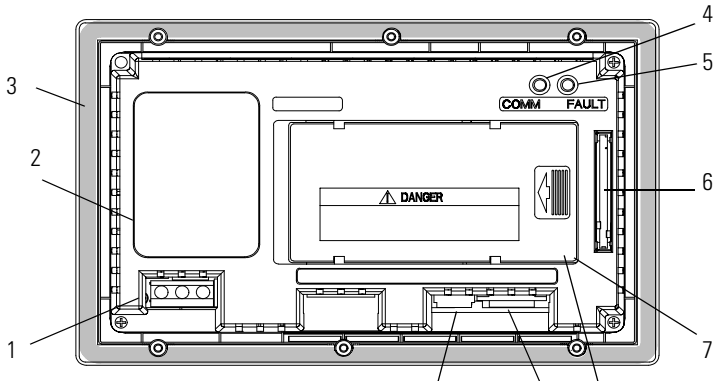
Touch Screen Terminal



#	Feature	Description
1	Function Keys (F1…F10)	On keypad terminals, use the function keys to initiate functions on the terminal display. These keys may have custom legends. On keypad and touch screen terminals, you can initiate functions by using the function keys and/or touch screen objects.
2	Cursor Keys	Use the cursor keys to move the cursor in displayed lists, to select a numeric entry object, or to enter configuration mode.
3	Numeric Entry Keys	0…9 - Enters numeric values. **.** Enters a decimal point. - Enters a negative value. ←Clears entered digits or cancels the scratchpad. ↵ Stores an entered value.
4	Keypad Terminal Display	On keypad terminals, initiate the function of a displayed object, such as an ON or OFF push button, by pressing a function key (F1…F10).
5	Touch Screen Terminal Display	On touch screen or keypad & touch screen terminals, initiate the function of a displayed object, such as an ON or OFF push button, by touching the screen object. Each interactive screen object occupies one or more of 128 cells. On keypad and touch screen terminals, you can initiate functions by using the function keys and/or touch screen objects.
6	Touch Cells (Touch Screen terminal)	The 128 touch cells (16 columns x 8 rows) let you initiate functions by touching the screen. Interactive screen objects are aligned with touch cells when the application is created.

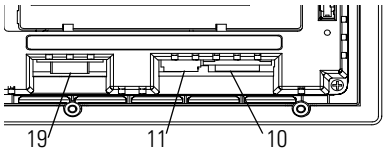
PanelView 550 Keypad or Keypad and Touch Screen Terminals (back)

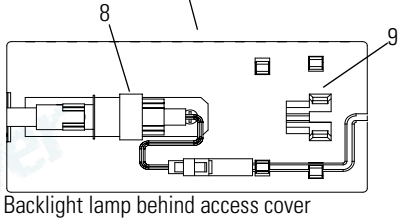
DH-485 without additional RS-232 Port



AC connector shown, DC connector looks different

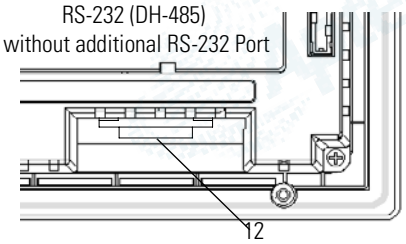
DH-485 with additional RS-232 Port



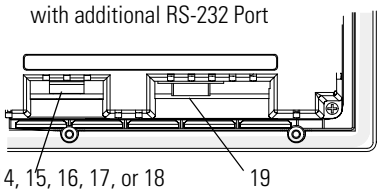


Backlight lamp behind access cover
Series G and earlier

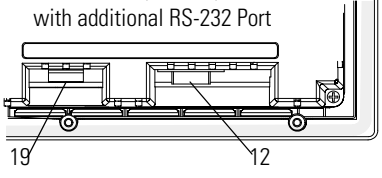
RS-232 (DH-485) without additional RS-232 Port



Remote I/O, DF1, DH+, DeviceNet, ControlNet, Ethernet, with additional RS-232 Port



RS-232 (DH-485) with additional RS-232 Port



#	Feature	Description
1	Power Connection Terminals	Connects to external power source.
2	Nameplate Label	Provides product information.
3	Sealing Gasket	Seals the front of the terminal to an enclosure or panel.
4	COMM Status (Green) Indicator	Indicates when communication is occurring.
5	FAULT Status (Red) Indicator	Indicates firmware or hardware faults.
6	Memory Card Slot	Accepts a memory card which stores applications.
7	Access Cover	Provides access to the replaceable backlight lamp.
8	Backlight Lamp	Light source for the display backlight. Light transmits through a fiber-optic bundle to the back of the LCD display.(1)
9	Spare Bulb Holder	Stores a spare backlight lamp.(1)
10	DH-485 Communication Port	Connects to an SLC or MicroLogix controller, DH-485 network, or Wallmount Power Supply (Cat. No. 1747-NP1).
11	DH-485 Programming Connector	Connects to a Personal Computer Interface Converter (Cat. No. 1747-PIC) for transferring applications. Also connects to an SLC programmer, such as the Hand-held Terminal (Cat. No. 1747-PT1).
12	RS-232 (DH-485) Communication Port	Connects to the Channel 0 port of an SLC 5/03, SLC 5/04, or SLC 5/05 controller for point-to-point DH-485 communication. Connects to a MicroLogix controller through an AIC+ Link Coupler. Also connects to the RS-232 serial port of a computer for transferring applications.
13	Remote I/O Port	Connects to a scanner or sub-scanner on a remote I/O network.
14	DH+ Communication Port	Connects to a PLC-5, SLC 5/04, or ControlLogix controller on a DH+ link.
15	DeviceNet Connector	Connects to a DeviceNet network.
16	ControlNet Connector	Connects to a ControlLogix controller (with 1756-CNB module) or PLC-5 on a ControlNet network.
17	RS-232 (DF1) Communication Port	Connects to a PLC, SLC, or MicroLogix controller with a DF1 port.
18	Ethernet Connector	Connects to a PLC-5E or SLC 5/05 controller, or a ControlLogix, MicroLogix, FlexLogix, or CompactLogix controller (with appropriate bridge module) on an EtherNet/IP network.
19	RS-232 Printer/ File Transfer Port	Connects to a printer. On remote I/O, DH+, DF1, DeviceNet, EtherNet/IP, or ControlNet terminals, this port also connects to the RS-232 port of a computer for transferring applications. The RS-232 port on the DH-485 or RS-232 (DH-485) terminal is used to connect a printer but not for file transfers.

(1) Series H and later PanelView 550 Keypad and Keypad Touch Terminals have an integrated LED backlight. This backlight is non-replaceable.

PanelView 550 Terminals

Electrical	
DC Power Supply Voltage Limits Power Consumption Supply Voltage Limits (touch screen only) Power Consumption (touch screen only)	 18…30V DC (24V DC nominal) 18 W, max (0.75 A @ 24V DC) 18…32V DC (24V DC nominal) 18 W, max (0.75 A @ 24V DC)
AC Power Supply Voltage Limits Power Consumption	 85…264V AC, 47…63 Hz 45 VA maximum

Mechanical	
Enclosure	NEMA Type 12/13, 4X (Indoor use only), IP54, IP65
Status Indicators COMM Fault	 Green Red
Weight Keypad, Keypad & Touch Touch Screen	 1.2 kg (2.7 lb) .93 kg (2.1 lb)
Dimensions- Keypad, Keypad & Touch mm in	 167 (H) x 266 (W) x 106 (D) 6.57 (H) x 10.47 (W) x 4.17 (D)
Dimensions- Touch Screen mm in	 152 (H) x 185 (W) x 82 (D) 6.00 (H) x 7.28 (W) x 3.20 (D)
Installed Depth- Keypad, Keypad & Touch	86 mm (3.39 in.) 118 mm (4.64 in.) with memory card retainer 207 mm (8.15 in.) with memory card retainer and clearance to insert and remove memory card
Installed Depth- Touch Screen	64 mm (2.54 in.) 109 mm (4.30 in.) with memory card retainer 188 mm (7.40 in.) with memory card retainer and clearance to insert and remove memory card

Display	
Type	Liquid Crystal Display (LCD)
Size	120 x 60 mm (4.75 x 2.38 in.)
Pixels	256 x 128
Touch Cells	128 (16 columns x 8 rows)
Touch Cell Size	16 x 16 pixels

Terminal Memory	
PV550 (Series E or later) or PV550T (Series A or later) Total Application Flash Memory	240K bytes (application screens)
PV550 (Prior to Series E) Total Application Flash Memory	112K bytes (application screens)

Environment	
Operating Temperature	0…55 °C (32…131 °F)
Storage Temperature	-20…70 °C (-4…158 °F)
Relative Humidity (non-condensing)	5…95% at 0…30 °C (32…86 °F) 5…75% at 31… 40 °C (88…104 °F) 5…50% at 41…55 °C (106…131 °F)
Heat Dissipation	20 W (69 BTU/HR) for AC Power or DC Power
Shock (operating/non-operating)	30 g/50 g
Vibration (operating)	2 g up to 2,000 Hz

Character Sizes (Pixel size = 0.47 x 0.47 mm)

Size in Pixels width x height)	**Characters/Row**	**Maximum Rows**	**Dimensions in mm Width x Height**
6 x 8	40	16	2.2 x 3.2
6 x 16	20	16	3.8 x 5.6
6 x 24	13	16	3.8 x 8.4
12 x 8	40	8	7.6 x 2.8
12 x 16	20	8	7.6 x 5.6
12 x 24	13	8	7.6 x 8.4
18 x 8	40	5	11.2 x 2.8
18 x 16	20	5	11.2 x 5.6
18 x 24	13	5	11.2 x 8.4