

## 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 <sup>(1)</sup> |
|----------------------------|--------------------|--------|-----------------|-----|-----------|------------|--------------|----------|---------------------|-------------------------------|
|                            | 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                  |

<sup>(1)</sup> 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 Terminals

| <b>Electrical</b>                         |                                                                                                                                                               |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DC Power                                  |                                                                                                                                                               |
| Supply Voltage Limits                     | 18...30V DC (24V DC nominal)                                                                                                                                  |
| Power Consumption                         | 18 W, max (0.75 A @ 24V DC)                                                                                                                                   |
| Supply Voltage Limits (touch screen only) | 18...32V DC (24V DC nominal)                                                                                                                                  |
| Power Consumption (touch screen only)     | 18 W, max (0.75 A @ 24V DC)                                                                                                                                   |
| AC Power                                  |                                                                                                                                                               |
| Supply Voltage Limits                     | 85...264V AC, 47...63 Hz                                                                                                                                      |
| Power Consumption                         | 45 VA maximum                                                                                                                                                 |
| <b>Mechanical</b>                         |                                                                                                                                                               |
| Enclosure                                 | NEMA Type 12/13, 4X (Indoor use only), IP54, IP65                                                                                                             |
| Status Indicators                         |                                                                                                                                                               |
| COMM                                      | Green                                                                                                                                                         |
| Fault                                     | Red                                                                                                                                                           |
| Weight                                    |                                                                                                                                                               |
| Keypad, Keypad & Touch                    | 1.2 kg (2.7 lb)                                                                                                                                               |
| Touch Screen                              | .93 kg (2.1 lb)                                                                                                                                               |
| Dimensions- Keypad, Keypad & Touch        |                                                                                                                                                               |
| mm                                        | 167 (H) x 266 (W) x 106 (D)                                                                                                                                   |
| in                                        | 6.57 (H) x 10.47 (W) x 4.17 (D)                                                                                                                               |
| Dimensions- Touch Screen                  |                                                                                                                                                               |
| mm                                        | 152 (H) x 185 (W) x 82 (D)                                                                                                                                    |
| in                                        | 6.00 (H) x 7.28 (W) x 3.20 (D)                                                                                                                                |
| Installed Depth- Keypad, Keypad & Touch   | 86 mm (3.39 in.)<br>118 mm (4.64 in.) with memory card retainer<br>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.)<br>109 mm (4.30 in.) with memory card retainer<br>188 mm (7.40 in.) with memory card retainer and clearance to insert and remove memory card |
| <b>Display</b>                            |                                                                                                                                                               |
| 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<br>PV550T (Series A or later)<br>Total Application Flash Memory | 240K bytes (application screens) |
| PV550 (Prior to Series E)<br>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)<br>5...75% at 31...40 °C (88...104 °F)<br>5...50% at 41...55 °C (106...131 °F) |
| Heat Dissipation                   | 20 W (69 BTU/HR) for AC Power or<br>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<br>width x height) | Characters/Row | Maximum Rows | Dimensions in mm<br>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                         |