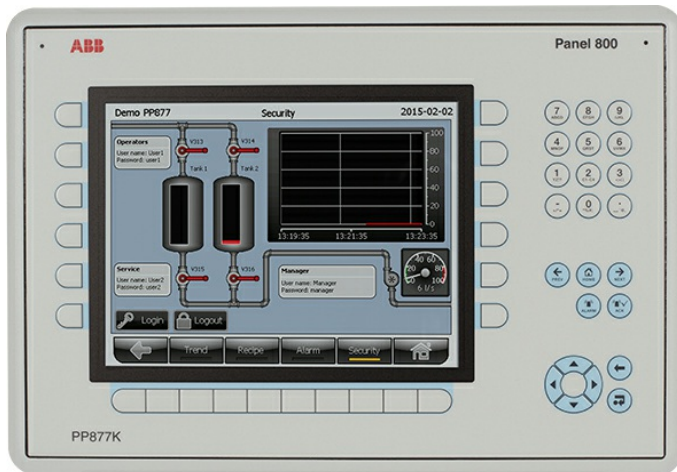


# PP877K

## Compact Product Suite hardware selector



Touchscreen and keypad panels with brilliant TFT/LED display colors and multi-protocol connectivity. The standard range of Panel 800 comprises of PP871, PP874, PP877, PP874K and P877K that are easy-to use HMI with comprehensive and integrated templates and libraries for every conceivable process you need. All standard panels are equipped with high-resolution graphics in TFT/LED display. Besides the 4", 7" and 10" touchscreen panels, this range also includes 7" and 10" keypad panels with 16 and 22 function keys respectively. Most models offer wide screen, high resolution display for increased efficiency and excellent operator interaction.

### Features and benefits

- Easy to use**  
 A fully deployable HMI with comprehensive and integrated templates and libraries for every conceivable process. The Panel Builder tool, with familiar Microsoft® Windows® environment along with multiple language support results in quick, easy and efficient engineering.
- State-of-the-arts graphics**  
 Vector-based, high-resolution graphics in TFL/LED display, with icon-based interface, navigation and control.
- Robust and reliable**  
 Panel 800 is constructed in a strong yet lightweight diecast, powder-coated aluminum housing. (IP66/IP20 for PP871), (IP65/IP20 for PP874, PP877, PP874K and PP877K) front casing withstands wet, dusty and demanding environments. Operating temperatures ranging between -10° C to + 60° C with maximum 85% humidity.
- Truly open platform**  
 Built on open architecture and technologies that accompany the .NET framework, these panels are capable of multi-brand controller connectivity. A multitude of connection options are available for local communication, expansion, remote access and more.
- Try your application before you use it**  
 Nice possibility to simulate and run the application directly from the Panel Builder 800 before you use it.

**General info**

Article number	3BSE069274R1
Category	Standard
Display type	Key
Display size	10.4"
Brightness	Standard brightness (450 cd/m <sup>2</sup> )
Display resolution, ratio	640 × 480 (4:3)
Processor	ARM9 (400 MHz)
Main memory	128 MB (DDR2)
External storage media	1 × SD card (or SDHC with latest image loaded)
Dimension WxHxD (mm)	410 × 286 × 83
Net weight (kg)	3.8
Power supply	+24 VDC (18-32 VDC)
Operating temperature	-10 to +60 °C

**Detailed data**

View angle (H/V)	160° / 140°
Dimming	Yes
Interaction type	Key, 1 million key press operations
Realtime clock	Yes
Ethernet (shielded RJ 45)	1 × 10/100 Base-T
USB	1 × USB 2.0, max. 200 mA
Serial port	2 combined ports: 2 × RS232, 2 × RS422/485

**Environmental and certification**

Frame material, front foil	Powder-coated aluminum, Polyester Autotex F150. Membrane switch keyboard with metal domes.
Power consumption	9.6 W
Protection (front/rear)	IP65 / IP20
Relative operating humidity	5-85% non-condensing
Storage temperature	-20 to +70 °C
Vibration and shock	0.7 G / 10 G
CE-marking	CE
UL	UL
Marine	DNV Location classes: Temperature: B Humidity: B Vibration: A EMC: B Enclosure: B (IP66 front), A (IP20 rear).
RoHS compliance	EN 50581:2012

**Dimensions**

Dimension W×H×D (mm)	410 × 286 × 83
Cut-out dimension W×H (mm)	394 × 270
Mounting depth mm. (Including clearance)	76 (176)
Mounting	Panel Mount and VESA 75 × 75

---

[www.abb.com/800xA](http://www.abb.com/800xA)  
[www.abb.com/controlsystems](http://www.abb.com/controlsystems)

---

800xA is a registered or pending trademark of ABB. All rights to other trademarks reside with their respective owners.

We reserve the right to make technical changes to the products or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not assume any responsibility for any errors or incomplete information in this document.

We reserve all rights to this document and the items and images it contains. The reproduction, disclosure to third parties or the use of the content of this document – including parts thereof – are prohibited without ABB's prior written permission.

Copyright© 2017 ABB All rights reserved