MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

B&R

4PP015.E420-01

POWER PANEL OPERATOR TERMINAL

Used with the applicable B&R Power Panel configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: B&R 4PP015.E420-01 product data

2. Overview

Short description															
Photo														
Model number	4PP015.0420-01	4PP015.0420-36	4PP015.C420-01	4PP015.E420-01	4PP015.E420-101	4PP015.C420-36	4PP015.E420-36	4P0420.00-490	4PP035.0300-01	4PP035.0300-36	4PP035.E300-01	4PP035.E300-36	4PP035.E300-136	4P3040.01-490
Page	24	44	24			44		77	102	122	102	122		155
LCD display														
4 x 20 characters	✓		✓					✓	-		-			-
160 x 80 pixels	-		-					-	✓		✓			-
5.7“ QVGA	-		-					-	-		-			✓
Character set														
English / Katakana	✓		-	-	-	-	-	✓	-		-			-
English / Cyrillic	-		✓	-	-	✓	-	-	-		-			-
English / European	-		-	✓	✓	-	✓	-	-		-			-
European / Cyrillic	-		-	-	-	-	-	-	✓		✓			-
Keys														
Total	16		26					34	16		26			40
With key LED	12		10					17	12		10			16
With insert strips	10		10					17	10		10			16
Inputs / Outputs														
Digital inputs	16	8	16			8		10	16	8	16	8		10
Digital outputs	16	8	16			8		8	16	8	16	8		10
Analog inputs	-	4	-			4		-	-	4	-	4		-
Analog outputs	-	4	-			4		-	-	4	-	4		-
Instruction cycle time														
0.8 µs	✓							-	✓					-
0.5 µs	-							✓	-					✓
Memory (SRAM / SystemPROM)														
300 kB / 448 kB	✓							-	✓					-
700 kB / 600 kB	-							✓	-					✓
FlashPROM														
1,0 MB	✓			-	✓			-	✓			-		-
1,4 MB	-			-	-			✓	-			-		✓
1,9 MB	-			✓	-			-	-			✓		-
Slot for ...														
B&R 2003 screw-in modules	-							6	-					6
B&R 2005 communication modules	-							1	-					1

Table 3: Power Panel overview

Chapter 3 • Power Panel 15

1. Types

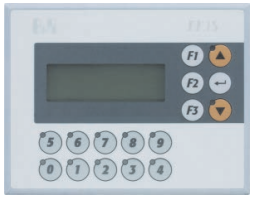
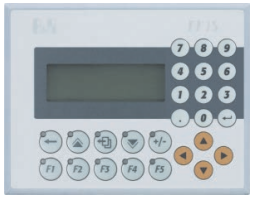
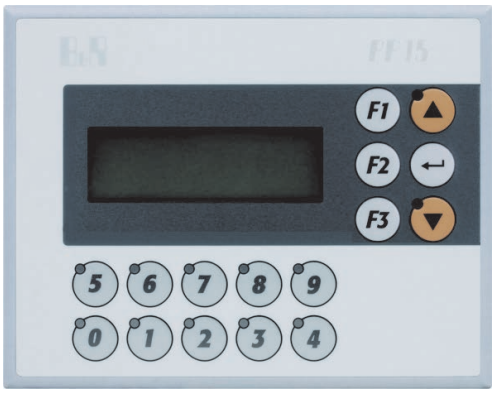
Short description							
Photo							
Model number	4PP015.0420-01	4PP015.0420-36	4PP015.C420-01	4PP015.E420-01	4PP015.E420-101	4PP015.C420-36	4PP015.E420-36
Page	24	44	24			44	
LCD display							
4 x 20 characters	✓						
Character set							
English / Katakana	✓		-	-		-	-
English / Cyrillic	-		✓	-		✓	-
English / European	-		-	✓		-	✓
Keys							
Total	16		26				
With key LED	12		10				
With insert strips	10		10				
Inputs / outputs							
Digital inputs	16	8	16			8	
Digital outputs	16	8	16			8	
Analog inputs	-	4	-			4	
Analog outputs	-	4	-			4	
FlashPROM							
1,0 MB	✓				-	✓	
1,9 MB	-				✓	-	

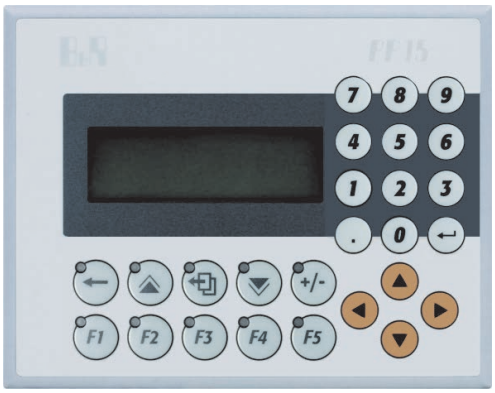
Table 4: PP15 overview

2. Power Panel 15-01

2.1 Photos



4PP015.0420-01



4PP015.C420-01 / 4PP015.E420-01 / 4PP015.E420-101

Figure 4: Power Panel 15-01 photos

2.2 Order data

Model number	Short description
4PP015.0420-01	Power Panel, 24 VDC, 153 x 120 mm, LC display, 4 x 20 characters, background lighting, English / Katakana character set, 16 keys, 300 KB SRAM, 1024 kB FlashPROM, 1 RS232, 1 CAN interface, 16 digital inputs, 24 VDC, sink / source, 2 event counters, 1 incremental encoder or 2 gate-/period measurement, 16 digital outputs, 24 VDC, 0.5 A source, IP65 protection (from front). 2 x TB718 and 1 x TB103 terminal blocks sold separately.
4PP015.C420-01	Power Panel, 24 VDC, 153 x 120 mm, LC display, 4 x 20 characters, background lighting, English / Cyrillic character set, 26 keys, 300 KB SRAM, 1024 kB FlashPROM, 1 RS232, 1 CAN interface, 16 digital inputs, 24 VDC, sink / source, 2 event counters, 1 incremental encoder or 2 gate-/period measurement, 16 digital outputs, 24 VDC, 0.5 A source, IP65 protection (from front). 2 x TB718 and 1 x TB103 terminal blocks sold separately.
4PP015.E420-01	Power Panel, 24 VDC, 153 x 120 mm, LC display, 4 x 20 characters, background lighting, English / European character set, 26 keys, 300 KB SRAM, 1024 kB FlashPROM, 1 RS232, 1 CAN interface, 16 digital inputs, 24 VDC, sink / source, 2 event counters, 1 incremental encoder or 2 gate-/period measurement, 16 digital outputs, 24 VDC, 0.5 A source, IP65 protection (from front). 2 x TB718 and 1 x TB103 terminal blocks sold separately.
4PP015.E420-101	Power Panel, 24 VDC, 153 x 120 mm, LC display, 4 x 20 characters, background lighting, English / European character set, 26 keys, 300 KB SRAM, 1984 kB FlashPROM, 1 RS232, 1 CAN interface, 16 digital inputs, 24 VDC, sink / source, 2 event counters, 1 incremental encoder or 2 gate-/period measurement, 16 digital outputs, 24 VDC, 0.5 A source, IP65 protection (from front). 2 x TB718 and 1 x TB103 terminal blocks sold separately.
Note	
All parts required to install the Power Panel, including key legend sheets, are included in its delivery.	

Table 5: Power Panel 15-01 order data