



DOP*-B07*

High Color • Wide Screen • User-Friendly HMI Products

B07S(E)411/B07S411K / B07S401K Instrunction Sheet

(1) Preface

Thank you for purchasing DELTA's DOP-B series. This instruction sheet will be helpful in the installation, wiring and inspection of Delta HMI. Before using the product, please read this instruction sheet to ensure correct use. You should thoroughly understand all safety precautions before proceeding with the installation, wiring and operation. Place this instruction sheet in a safe location for future reference. Please observe the following precautions:

- Install the product in a clean and dry location free from corrosive and inflammable gases or liquids.
- Ensure that all wiring instructions and recommendations are followed.
- Ensure that HMI is correctly connected to a ground. The grounding method must comply with the electrical standard of the country (Please refer to NFPA 70: National Electrical Code, 2005 Ed.).
- Do not disassemble HMI, modify or remove wiring when power is applied to HMI.
- Do not touch the power supply during operation. Otherwise, it may cause electric shock.

(2) Pin Definition of Serial Communication

DOP-B07S(E)411 / DOP-B07S411K / DOP-B07S401K COM1 Port

COM Port	PIN	MODE1
	_	RS-232
	1 2 3	RXD TXD
PIN1		
	4	
()	5 6	GND
	7	RTS
	8	CTS
	9	

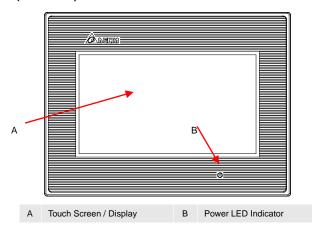
DOP-B07S(E)411 / DOP-B07S411K / / DOP-B07S401K COM2 Port

` '		MODE1		MODE2		MODE3	
COM Port	PIN	COM2	сомз	COM2	сомз	COM2	СОМЗ
		RS-232	RS-485	RS-485	RS-485	RS-232	RS-422
	1			D+			TXD+
	2	RXD				RXD	
PIN1	3	TXD				TXD	
PIN1	4		D+		D+		RXD+
J	5	GND		GND		GND	
	6			D-			TXD-
0	7						
	8						
	9		D-		D-		RXD-

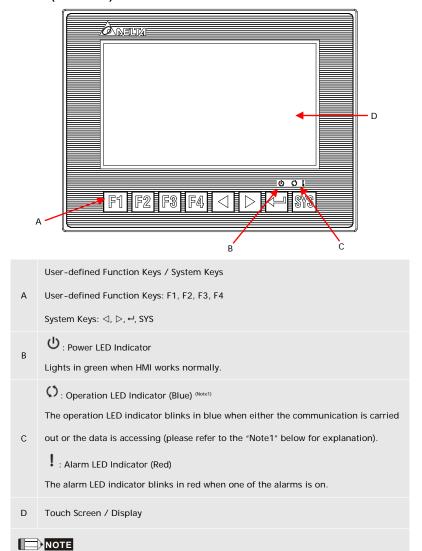
Note1: Blank = No Connection.

(3) Parts Names

DOP-B07S(E)411 (Front View)

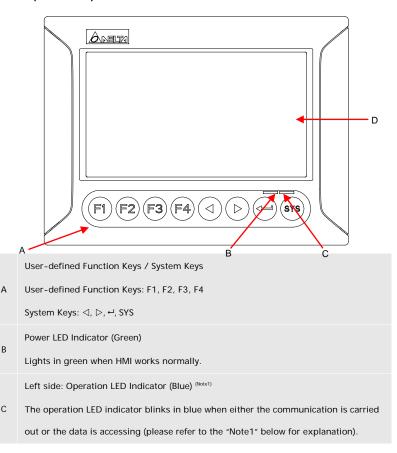


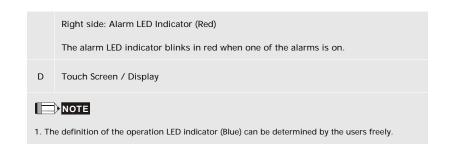
DOP-B07S411K (Front View)



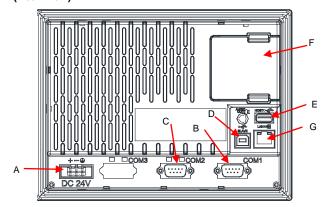
1. The definition of the operation LED indicator (Blue) can be determined by the users freely

DOP-B07S401K (Front View)



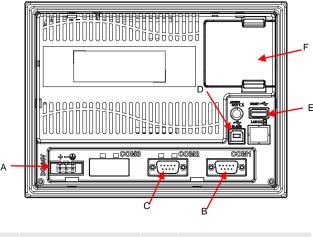


DOP-B07S(E)411 (Rear View)



Α	Power Input Terminal	В	COM1
С	COM2	D	USB Slave
E	USB Host	F	Battery Case
G	Ethernet Interface (LAN) Note: DOP-B07E411 only.		

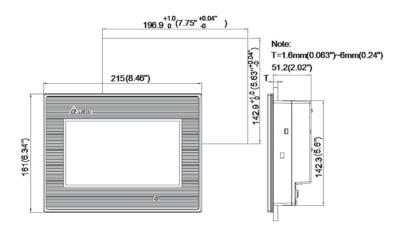
DOP-B07S411K / DOP-B07S401K (Rear View)



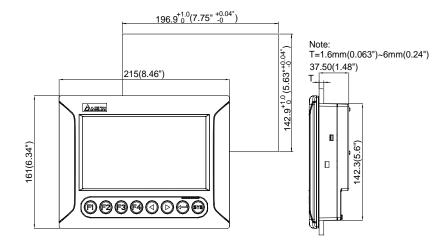
Α	Power Input Terminal	В	COM1
С	COM2	D	USB Slave
F	LISB Host	F	Battery Case

(4) Dimensions

DOP-B07S(E)411 / DOP-B07S411K



DOP-B07S401K



(5) Specifications

	MODEL	DOP-B07S411	DOP-B07E411	DOP-B07S411K	DOP-B07S401K		
щ	Display Type	7" TFT LCD (65535 colors)					
CD MODULE	Resolution	800 x 480 pixels					
Ď Q	Backlight	LED Back	LED Back Light (less than 20,000 hours half-life at 25°C) ^(Note 1)				
2	Display Size		154.08 x 85.92mm				
Opera	ation System		Delta Rea	I Time OS			
	MCU		32-bit RISC M	licro-controller			
NOR	Flash ROM	(OS Syste	Flash ROI em: 30MB / Backup: 1	M 128 MB 6MB / User Applicati	on: 82MB)		
;	SDRAM		64Mi	oytes			
Back	kup Memory		16Mi	oytes			
	Buzzer	N	Multi-Tone Frequency	(2K ~ 4K Hz) / 850	dВ		
Ethernet Interface		N/A	IEEE 802.3, IEEE 802.3u 10/100 Mbps auto-sensing (has built-in isolated power circuit (Note 2))	N/A			
	USB	1 USB Slave Ver 2.0 1 USB Host Ver 1.1					
	COM1	RS-232(supports hardware flow control)					
Serial COM Port	COM2	RS-232 / RS-485					
	СОМЗ	RS-422 / RS-485					
Function Key		N/A		User defined key x 4 + System key x 4			
Perpetual Calendar (RTC)		Built-in					
Cooling Method		Natural air circulation					
Safe	ety Approval	CE / UL					
Water	proof Degree	IP65					

MODEL	DOP-B07S411	DOP-B07E411	DOP-B07S411K	DOP-B07S401K	
Operation Voltage (Note2)	DC +24V (-10% ~ +15%) (please use isolated power supply)				
Voltage Endurance	AC500V for 1 minute (between charging (DC24V terminal) and FG terminals)				
Power Consumption (Note 2)	4.0W				
Backup Battery	3V lithium battery CR2032 x 1				
Backup Battery Life	It depends on the temperature used and the conditions of usage, about 3 years or more at 25°C.				
Operation Temperature	0°C ~ 50°C				
Storage Temperature	-20°C ~ +60°C				
Ambient Humidity	10% ~ 90% RH [0 ~ 40°C], 10% ~ 55% RH [41 ~ 50°C] Pollution Degree 2			- 50°C]	
Vibration	IEC 61131-2 compliant 5Hz≦f < 8.3Hz = Continuous: 3.5mm, 8.3Hz≦f≦150Hz = Continuous: 1.0q			, 8.3Hz≦f≦150Hz =	
Shock	IEC 60068-2-27 compliant 15g peak for 11 ms duration, X, Y, Z directions for 6 times			, Z directions for 6	
Dimensions (W) x (H) x (D) mm	215 x 161 x 50				
Panel Cutout (W) x (H) mm	196.9 x 142.9				
Weight	Approx. 820g Approx. 840g			x. 840g	



- The half-life of backlight is defined as original luminance being reduced by 50% when the maximum driving current is supplied to HMI. The life of LED backlight shown here is an estimated value under 25 °C normal temperature and humidity conditions.
- 2) The value of the power consumption indicates the electrical power consumed by HMI only without connecting to any peripheral devices. In order to ensure the normal operation, it is recommended to use a power supply which the capacity is 1.5 ~2 times the value of the power consumption.

Pobrano z: https://panele-hmi.pl/panel-hmi-7-dop-b07e411-delta-electronics