

5.7" Operator Interface - AST3301S/AST3301B



Features:

- Graphical Touch Screen
- STN color or Blue/White (256 colors) LCD
- 320 x 240 Resolution
- NEMA 4x/13
- 2 Year Warranty
- Dual Simultaneous Protocol Support
- USB/Barcode Reader Support
- RS232, RS422/RS485 Configurable Serial Ports
- GP-Pro EX HMI Development Environment

Performance Specifications

Model	AST3301-S1-D24	AST3301-B1-D24
Display Type	STN Color LCD	Monochrome Blue/White LCD
Display Colors	256 Colors (no Blink/64 Colors (3-speed Blink)	8 shades of blue and white
Display Area	115.2mm (4.54in)W x 86.4mm (3.40in)H	
Graphics Display Resolution	(320 x 240 resolution)	
Backlight	CCFL, MTBF Value 75,000hrs (TYP) or more	CCFL, MTBF Value 58,000hrs (TYP) or more
Contrast Adjustment	8 gradations (adjustable via touch panel)	
Touch Screen	Resistive Film (analog)	
USB (Type A)	USB Interface (USB 1.1) Type A connector x1	
Serial Interface	COM1 RS-232C, COM2: RS422/485	

5.7-inch STN Color LCD/ Monochrome LCD
Operator Interface

AST-3301S
AST-3301B



Models: AST3301-S1-D24/AST3301-B1-D24

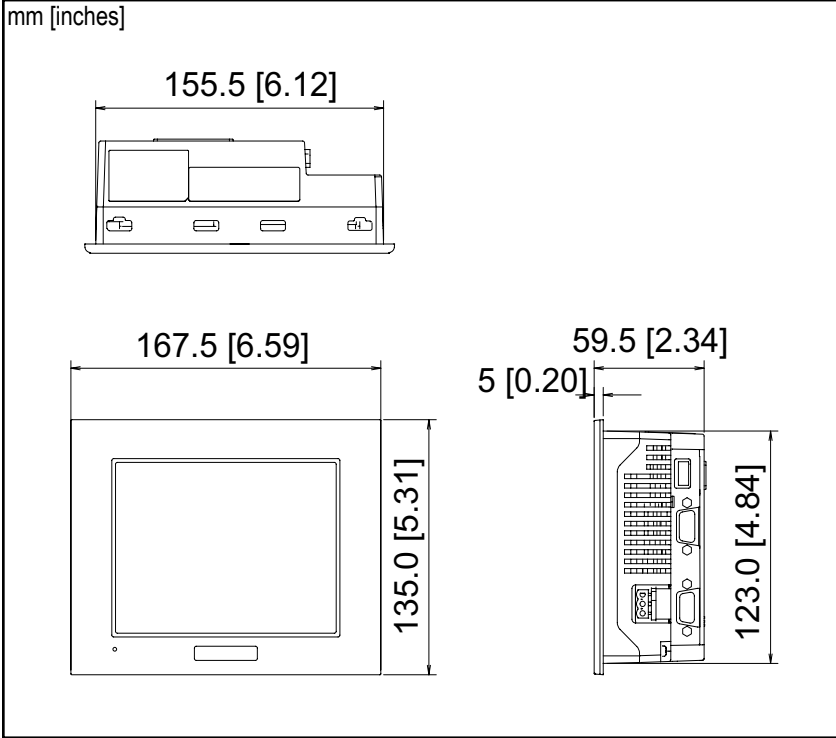


General Specifications

Model	AST3301-S1-D24	AST3301-B1-D24
Input Voltage	DC24V	
Power Consumption	18W or less	
Allowable Voltage Drop	Within 10ms	
Voltage Endurance	AC1500V 20mA for 1 minute (between charging and FG terminals)	
Insulation Resistance	DC500V 10MΩ(min.) (between charging and FG terminals)	
Certifications	UL508, c-UL, CE, CSA-C22.2 No.142-M1987, EN55011 Class A, RoHS	
Ambient Operating Temperature ²	Operating Temperature 0 to 50°C (unit must be installed within 30° of vertical)	
Humidity - Ambient/Storage	10 to 90% RH (Not condensing, wet bulb temperature: 39°C or less).	
Corrosive Gas	Free of corrosive gases	
Noise Immunity	Noise Voltage: 1000Vp-p, Pulse Duration: 1μs, Rise Time: 1ns (via noise simulator)	
Grounding	Grounding resistance of 100Ω 2mm ² or thicker wire, or your country's applicable standard. (same for FG and SG terminals)	
Electrostatic Discharge Immunity	6kV (complies with EN 61000-4-2 Level 3)	
Vibration Resistance	IEC61131-2 compatible, 5Hz to 9Hz Half Amplitude 3.5mm, 9Hz to 150Hz Constant Acceleration 9.8m/s ² , Applied in X, Y and Z directions 10 cycles for 100 minutes	
Rating	Equivalent to IP65f (NEMA #250 4x/13 (for front panel of installed unit) ²	
Weight	Approx. 1.0kg [2.2lb]	
External Dimensions	167.6mm [6.59in.] W × 135mm [5.31in.] H × 59.5mm [2.34in.] D	
Warranty	Two (2) year	

*1 Ambient Operating Temperature indicates the cabinet interior or panel face temperature.
*2 Meets IP65f testing requirements. Operation is not, however, guaranteed in every environment.

AST-3301S/B - External Dimensions



Ordering Information

Part Number	Description
AST3301-S1-D24	5.7" STN Color LCD, Serial, USB, DC24V
AST3301-B1-D24	5.7" Monochrom Blue/White LCD, Serial, USB, DC24V

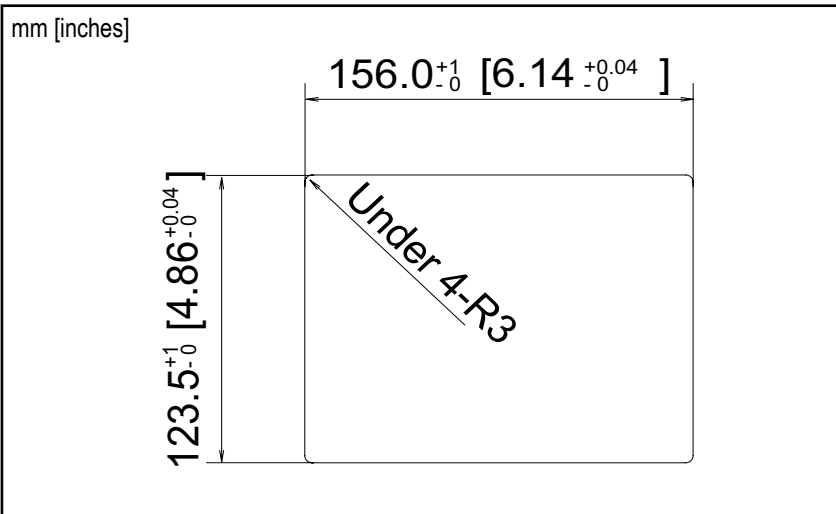
Accessories or Replacement Components

Product Name	Part Number
USB Transfer Cable	CA3-USBCB-01 (2m)
Installation Fasteners ^{*1}	CA3-ATFALL-01
GP-Pro EX HMI Development Software	EX-ED-V21
Screen Protection Sheet (5 sheets/set)	CA3-DFS6-01

*1 AST bundles maintenance items. You only need to purchase new items in case of breakage or loss.

- All information contained in this document is subject to change without notice.

AST-3301S/B - Cut-Out Dimensions



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For more information
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