

### 5.7" Operator Interface Plus Control



TouchPanel  
Operation



5.7-inch Monochrome B/W  
Stand Alone Graphic Controller

**LT-3301**

Model: LT3301-L1-D24-K, LT3301-LT-D24-C

DC 24V	5.7-inch
QVGA	

All-in-one model    Built-in DIO    Expansion I/O

Powered by

Screen Editor  
**GP-Pro EX**



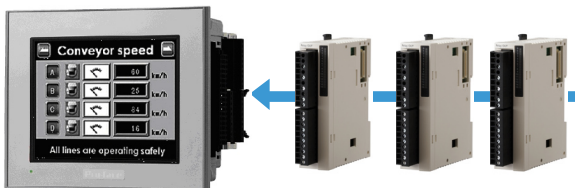
#### Features:

- 5.7-inch (QVGA 320x240) Stand Alone Graphic Controller
- Ladder logic for simple machine control
- Built-in 16 discrete inputs, 16 outputs and up to 3 EXM modules
- All-in-one operator interface plus control solution reduces wiring, system cost, maintenance cost and space.
- Serial port to communicate to temperature controllers.

#### Specifications

Model	LT3301-L1-D24-K LT3301-L1-D24-C	
Graphics Display Resolution	QVGA (320 x 240 dots)	
Display Type and Size	Monochrome B/W LCD (5.7-inch)	
Display Colors	16 shades	
Display Area	117.2mm[4.61in.] x 88.4mm[3.48in.]	
Touch Screen	Resistive Film (Analog) Touch Screen	
DIO	Input	16 discrete points sink/source-type 24VDC. Reconfigurable as High Speed counters (up to 4 single phase 100Kpps or 2 double phase 50Kpps), Pulse Catch
	Output	16 discrete points source-type 24VDC. Reconfigurable as pulse output or PWM (up to 65KHz per point)
USB	USB1.1 Host I/F x 1, USB TYPE-A connector	
I/O Expansion	Mix and Match any three EXM Modules	
Input Voltage/Rated Voltage Range	24V DC/ 19.2V DC to 28.8V DC	
Power Consumption	27W (max.)	
Temperature	Operating 0°C (32°F) to 50°C(122°F), Storage -20°C (-4°F) to +60°C (140°F)	
Altitude Operation	800hPa to 1114hPa (2000 meters above sea-level and below)	
Certifications	UL508, ANSI/ISA-12.12.01-2007, CSA-22.2 No. 142-M1987, CSA-22.2 No.213-M1987, CE marking EN55011, EN61000-6-2. Suitable for use in Class I, Division 2, Groups A, B, C, and D. Hazardous locations or non hazardous locations.	
Humidity - Ambient/Storage	10 to 90% RH (Not condensing, wet bulb temperature: 29°C or less).	
Corrosive Gas	Free of corrosive gases	
Vibration & Shock Resistance	IEC61131-2 compliant 5 to 9Hz single-amplitude 3.5mm 9 to 150Hz constant-accelerated velocity 9.8m/s <sup>2</sup> X, Y, Z directions for 10 cycle (100 minute)	
Rating	Equivalent to IP65f NEMA #250 TYPE 4X/13. (front surface when panel is embedded)	
Weight	Approx. 1.0kg [2.2lb] max. (unit only)	
External Dimensions	167.4mm [6.59in.] x 135mm [5.31in.] x 77.6mm [3.07in.]	
Warranty	Two (2) years	

#### I/O EXPANSION MODULES



#### Mix and Match Any Three Modules

See EXM Module Datasheet for a full list of I/O expansion modules.

#### Input / Output Mixed I/O modules

**EXM-DMM8DRT** 4-point input sink-source, 4-point relay output with single common

**EXM-DMM24DRF** 16-point Inputs / 8-point Relay Output Module

#### Analog I/O modules

**EXM-AMI2HT** 2-point analog input type

**EXM-ALM3LT** 2-point temperature input / 1-point analog type

**EXM-AMM3HT** 2-point analog input / 1-point analog output type

**EXM-AMO1HT** 1-point analog output type

**EXM-AMI4LT** 16-point input and 8-point relay output Module

**EXM-ARI8LT** 4-point Analog Input Module

**EXM-AVO2HT** 8-point Pt100/Pt1000 Input Module

**EXM-AMM6HT** 4-point Analog Input/ 2-point Analog Output Module

#### Input I/O modules

**EXM-DDI8DT** 8-point sink/source shared I/O Unit, DC24V input signal can be connected

**EXM-DDI16DT** 16-point sink/source shared I/O Unit, DC24V input signal can be connected

#### Output I/O modules

**EXM-DRA8RT** 8-point relay output with 2 commons I/O Unit

**EXM-DRA16RT** 16-point relay output with 2 commons I/O Unit

**EXM-DDO8UT** 8-point transistor output sink I/O Unit

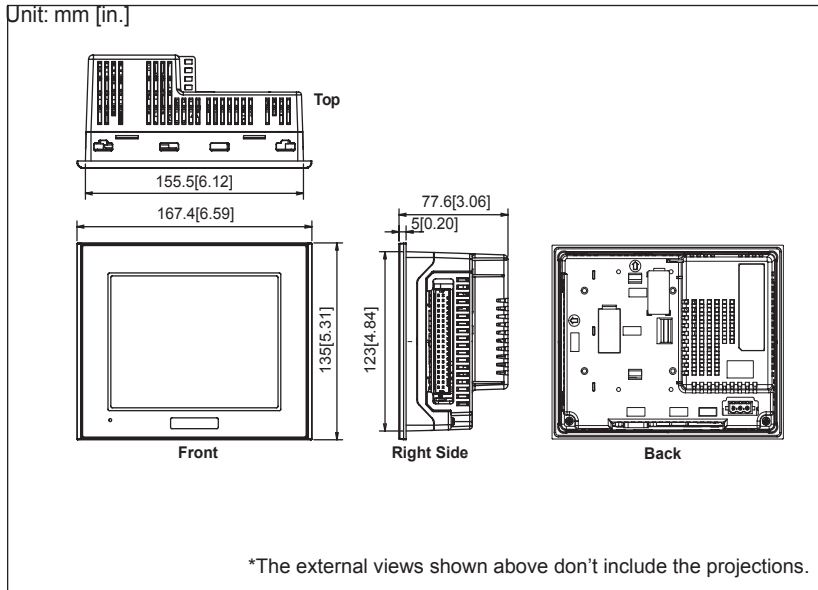
**EXM-DDO16UK** 16-point transistor output sink I/O Unit

**EXM-DDO8TT** 8-point transistor output source I/O Unit

**EXM-DDO16TK** 16-point transistor output source type I/O unit

For more information see EX-Module Datasheet

**LT3301 - External Dimensions**



**Ordering Information**

Part Number	Description
LT3301-L1-D24-K	5.7" Monochrome B/W LCD, HMI plus Control with Discrete I/O (Sink)
LT3301-L1-D24-C	5.7" Monochrome B/W LCD, HMI plus Control with Discrete I/O (Source)

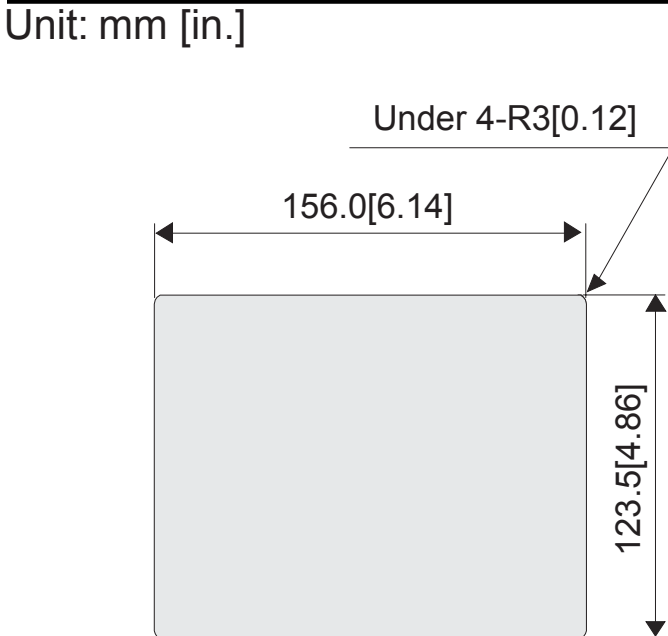
**Optional Items**

Product Name	Part Number
Software (GP-Pro EX)	EX-ED-V2.1 or later
I/O Expansion	See EX Module data sheet for list of available modules
USB Transfer Cable (1m)	CA3-USBCB-01
USB Front Cable (1m)	CA5-USBEXT-01
Screen Protection Sheet (5 sheets/set)	CA3-DFS6-01

**Caution:** Before operating any of these products, please be sure to read all related manuals thoroughly.

- All product names used in this document are trademarks or registered trademarks of their respective companies.
- All information contained in this document is subject to change without notice.

**LT3301 - Cut-Out Dimensions**



**Pro-face America**  
Phone: 734.429.4971  
Fax: 734.429.1010  
www.profaceamerica.com

**Customer Service Hotline: 734.944.0482**

For more information  
**ACCESS** www.profaceamerica.com