

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 QVGA 5.7-inch

Powered by GP-Pro EX

UL LISTED, CE, RoHS

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

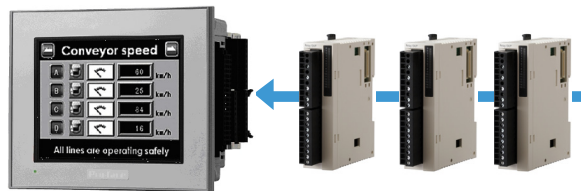
Features:

- 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 sink-type 24VDC. Reconfigurable as pulse output or PWM (up to 65KHz per point) 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, ANS/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/s2 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.]	

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** 4-ch analog /temperature input (12bit, 0-10V, 0-20mA, Pt100/Pt1000, Ni100/Ni1000) Screw Terminals
- EXM-ARI8LT** 8-ch Temperature input unit (10 bit, Pt100/Pt1000, Ni100/Ni1000) Screw Terminals
- EXM-AVO2HT** 2-ch analog output (10bit, -10 to 10V) Screw Terminals
- EXM-AMM6HT** 4-point Analog Input/ 2-point Analog Output Module

For more information see EX-Module Datasheet

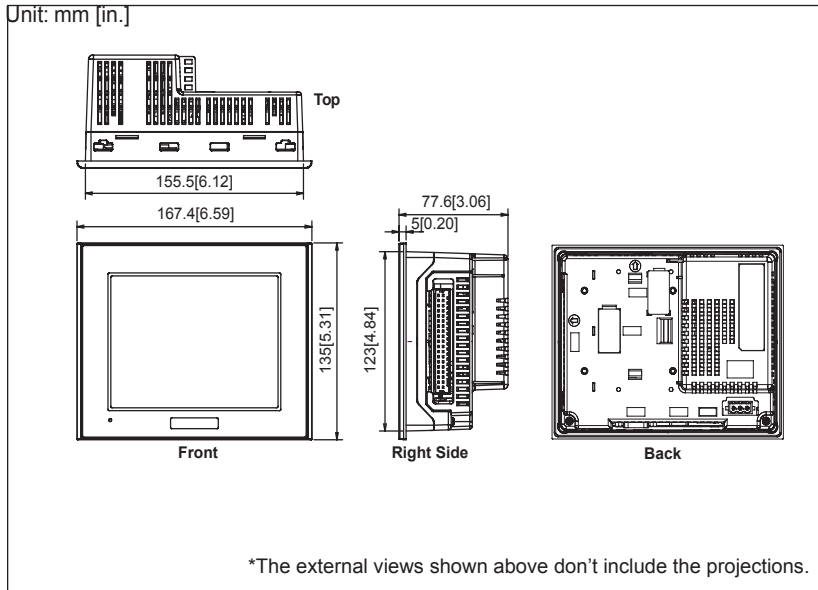
Input I/O modules

- 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

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)

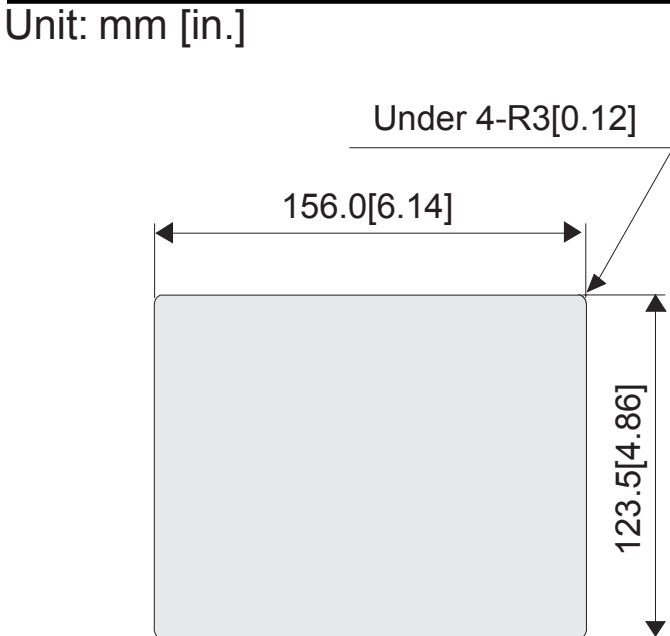
Optional Items

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.

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LT3301 - Cut-Out Dimensions



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