

3.8" Operator Interface Plus Control



TouchPanel
Operation



3.8-inch Amber/Red LCD
Panel Computer

LT-3201

Model: LT3201-A1-D24-K, LT3201-A1-D24-C

| | |
|--------|----------|
| DC 24V | 3.8-inch |
| QVGA | |

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

Powered by
Screen Editor
GP-Pro EX



Features:

- 3.8-inch (QVGA 320x240) Stand Alone Graphic Controller
- Ladder logic for simple machine control
- Built-in 12 discrete inputs, 6 outputs and up to 2 EXM modules
- All-in-one operator interface plus control solution reduces wiring, system cost, maintenance cost and space.
- NEMA 4X/13 Rated
- RoHS Directive-conforming

Specifications

| | | |
|-----------------------------------|---|---|
| Model | LT3201-A1-D24-K | LT3201-A1-D24-C |
| Graphics Display Resolution | QVGA (320 x 240 dots) | |
| Display Type and Size | Amber/Red LCD (3.8 inch) | |
| Display Colors | 8 shades | |
| Display Area | 78.8mm[3.10in.] x 59.6mm[2.35in.] | |
| Touch Screen | Resistive Film (Analog) Touch Screen | |
| DIO | Input | 12 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 | 6 discrete points sink-type 24VDC. Reconfigurable as pulse output or PWM (up to 65KHz per point) |
| USB | USB port 1.1, host I/F, USB TYPE-A connector | |
| I/O Expansion | Mix and Match any two EXM Modules | |
| Input Voltage/Rated Voltage Range | 24V DC/ 19.2V DC to 28.8V DC | |
| Power Consumption | 18W or less | |
| 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/s ² 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 | 130mm [5.12in.] x 104mm [4.09in.] x 76.5mm [3.01in.] | |
| Warranty | Two (2) years | |

I/O EXPANSION MODULES



Mix and Match Any Two Modules

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

Input / Output Mixed 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
- 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

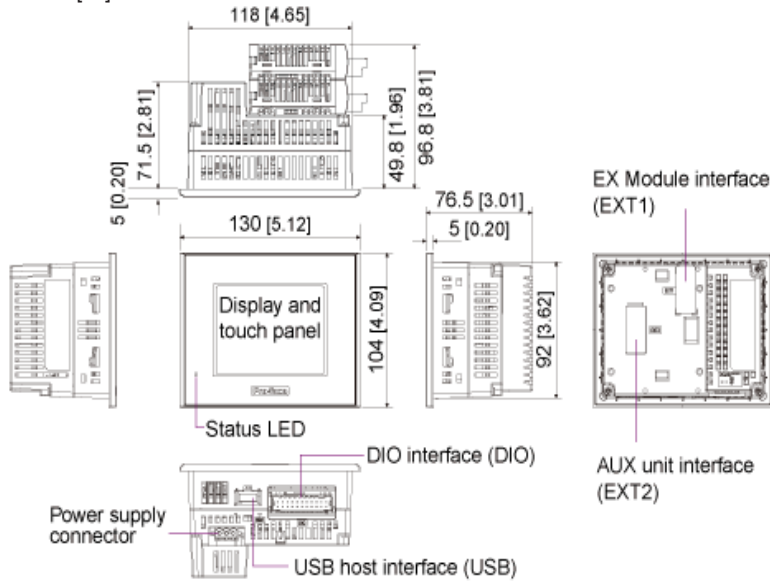
- EXM-DDI8DT** 8-point sink/source shared I/O Unit, DC24V input signal can be connected
- EXM-DDI16DT** 16-point sink/source shared I/O Unit, DC24V input signal can be connected

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

LT3201 - External Dimensions

Unit: mm [in.]



Ordering Information

| Part Number | Description |
|-----------------|---|
| LT3201-A1-D24-K | 3.8" Amber/Red LCD, HMI plus Control with Discrete I/O (Sink) |
| LT3201-A1-D24-C | 3.8" Amber/Red LCD, HMI plus Control with Discrete I/O (Source) |

Optional Items

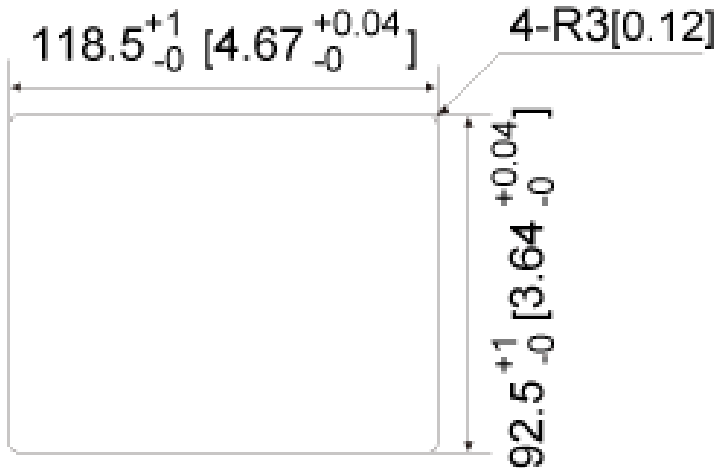
| Product Name | Part Number |
|--|--|
| Software (GP-Pro EX) | EX-ED-V2.1 or later |
| I/O Expansion | See EX Module data sheet for list of available modules |
| USB Transfer Cable (1m) | CA3-USBCB-01 |
| USB Front Cable (1m) | CA5-USBEXT-01 |
| Screen Protection Sheet (5 sheets/set) | CA3-DFS04-01 |

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

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LT3201 - Cut-Out Dimensions

Unit: mm [in.]



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California Proposition 65 Warning—Lead and Lead Compounds

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Avertissement concernant la Proposition 65 de Californie—Plomb et composés de plomb

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