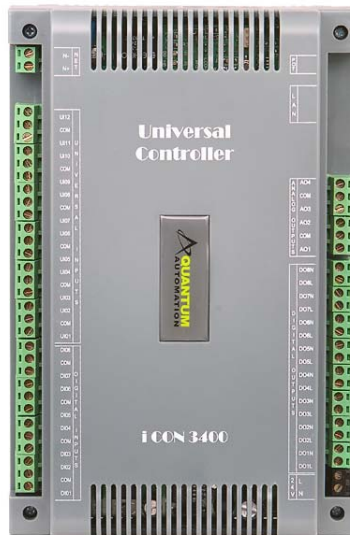


Universal DDC Controller

iCON 3400L



DESCRIPTION

The QA iCON 3400L is a LONWORKS® networkable 34-points DDC controller for PID general-purpose applications. The network provides the use of a FTT-10 transceiver allowing the controller to communicate with other controllers as part of the LONWORKS Free Topology Communications network. It provides built-in control functions such as closed loop, PID, P+I motor position control for modulating actuators, thermostatic control of digital outputs, input pulse counting for digital inputs, runtime totalization and time scheduling.

It can be linked up to 64 other DDC controllers in a single communication bus.

It consists of circuit board with pluggable terminal blocks used to connect twelve (12) nos. universal inputs, eight (8) nos. digital inputs, eight (8) nos. digital triac outputs, four (4) nos. analog outputs, two (2) nos. of pulse input and network communication wiring.

A 24Vac input power supply is connected to the module card with a plug / socket termination block.

FEATURES

- Stand-alone Network operation
- Easy to install and configure
- Network protection – dual tranzorbs
- Time-of-delay scheduling
- Memory– 256K Flash, up to 512K SRAM
- Both Flash and SRAM memory are expandable
- Battery backed-up clock & SRAM
- Optically isolated digital outputs
- Firmware upgradable via SPL Port
- Configure via Plug-in Software for LonMaker®

~ Specifications subjected to change without prior notice ~

Address : 18 Kaki Bukit Road 3, #04-01/02/03, Entrepreneur Business Centre, Singapore 415978.

Tel : 65-67442921, Fax : 65-67486801, Website : www.qa.com.sg, email : Sales@qa.com.sg

Page 1

APPLICATION

The main function of QA iCON 3400L is remote monitoring of analog and digital inputs for remote control of analog and digital outputs for general-purpose applications e.g. ventilation fan control, lighting control, pump control, door monitoring, staircase pressurisation and control of any size of mechanical and electrical equipment in the plant room. It is a flexible controller with capability to customize software for specific applications.

SPECIFICATIONS

General

- Over-voltage protection for analog inputs
- Fused triac output
- Analog input is short circuit protected
- Easy installation – Pluggable connectors

Inputs

- 8 nos. digital with LED indication
- 12nos. universal inputs: 0 to 10Vdc; 0 to 5Vdc, 10k thermistor; 4 to 20 mA Analog inputs with 12-bit resolution
- 2 nos of pulse input

Outputs

- 8 nos. Optically isolated digital triac: Up to 4 Amp @ 230 Vac
- 4 nos. analog: 0 to 10 Vdc (12-bit resolution)

Input Power

- 24 Vac +/- 10%, Neutral is ground
Current is 1.2 amps

Communication

- Line signal – LONWORKS
- 10 Mbps Ethernet port via RJ45
(Available for E model only)
- Wiring– shielded and twisted pair
- UTP Cat 5 E (Available for E model only)
- Configuration – Bus Topology up to 2500m, Free Topology up to 500 meters using Belden 85102

Size & Weight

- 212 x 142 x 60 mm
- 540 gm

Operating Environment

- 0 to 70 °C
- 10 to 90% (non-condensing)

CERTIFICATION

- CE, LONMARK®

ORDERING INFORMATION

MODEL iCON 3400L

~ Specifications subjected to change without prior notice ~