INTELLIGENCE

Two Wire Remote I/O System

INTELLIGENCE

Model DO-201

8 Channel Remote Digital Output Module

Features

- **8 Optically Isolated Digital Relay Outputs**
- **High Communication Speed**
- **Expandable I/O**

The INTELLIGENCE DO-201 is an intelligent microprocessor based two wire remote digital output controller that is used for cost effective Control of Packaged HVAC units, Heat Pumps, Fan Coil Units or Lighting Control application. The unit can give the building operator an integrated system solution for controling of building equipment from smaller buildings to larger facilities.

As a general purpose, an intelligent two wire remote Digital Output unit, the DO-201 provides 8 Relay outputs that can turn building equipment on and off via remote switches, digital votage free contacts or open collector output from another devices that are connected to remote digital input module.

The “INTELLIGENCE” DO-201 Digital Output Board has 8 optically isolated digital relay output connection.

Comminications

Comunication to INTELLIGENCE DO-201 is handled through half duplex RS-485 serial communication at the data transmittion rate at 19,200 bit/sec that is capable of transmitting multiple digital and analog signal up to 1.2 km via a 1 pair of twisted pair with shielded cable.

I/O Expansion

DO-201 contains the I/O expansion port for the additional low cost digital output expansion directly on the bottom of the controller. Up to 1 DOX-201 digital relay output expansion board can be connected together (1 DO-201 and 1 DOX-201) and each DOX-201 gives additional 8 optically isolated digital output relays.

Specifications

Power	12 VDC
Current Consumption	100 mA (All Relays off) 400 mA (All Relay on)
Communications	RS-485 via twisted pair with shielded cable
Communications Speed	19,200 bit/sec
Bus Lenght	1,200 m. max. via twisted pair with shielded cable
Outputs:	8 optically isolated (SPST) Form A relays
Output Rating	5 A

Intelligent Control Systems Co., Ltd.

391 Silom Road
Bangkok 10500
Thailand
Tel: (662) 2668852-4
(662) 2665197
Fax: (662) 2665198