UNISENSE

Mini Direct Digital Controller

TEMP. = 21.8
WINTER= 22.0

UniSense

ON OFF ▲

▼

☀/❄ Fn 🕐

General

UniSense is a stand-alone Direct Digital Controller (DDC) especially designed to control and monitor heating, ventilating and air conditioning systems (HVAC) as well as energy and electrical systems.

UniSense is the optimal solution for controlling Air Conditioning units, VAV and Fan & Coil units.

UniSense offers an advanced technology product especially designed for hotels, hospitals, large office and other public buildings.

Features

■ Stand Alone Operation
■ Application Program in Flash Memory
■ Integrated HVAC Software Application Programs
■ Weekly Time Program
■ RS 485 Communication Port for BMS System
■ Ethernet-TCP/IP Communication Port (optional)
■ Low Cost
■ Elegant Panel with LCD Display (optional)
■ Panel with Internal Temperature Sensor (optional)

An O.E.M. Designed Product

UniSense is especially designed to provide cost effective, swift and efficient solutions, serving the needs of HVAC system manufacturers.

The controller eliminates the need for installation of the following equipment: Timers; Time delay relays; Command relays; Temperature, relative Humidity, Pressure and other Sensors, Modulating HVAC controllers; Lamp displays, etc.

HVAC Software Application Program

The UniSense DDC controller includes a wide selection of HVAC software application programs providing multi HVAC control applications in a single controller unit.

Input/Output Points

The UniSense input and output points are especially designed to be compatible with the conventional HVAC and electrical control equipment commonly used in the market.

Each controller includes:
6 Digital Outputs: 8 Amp Dry Contact
8 Digital Inputs: Dry contact
4 Analog Outputs: 0-10 VDC Modulating
8 Universal Inputs: 0-10 VDC or
Ni 1000 Ω or dry contact

Dimensions

UniSense Controller	160 mm x 90 mm x 61 mm
UniSense Panel	120 mm x 80 mm x 25 mm

Shipping Weight

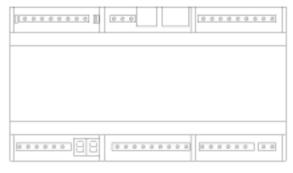|	
UniSense Controller	470 Grams
UniSense Panel	130 Grams

Power Requirements (Unisense+panel)

Voltage 24AC ± 20%
Minimum Transformer Size - 50VA
Frequency 50/60 Hz

Environmental Operation Limits

Temperature: 0-50°C
Humidity: 0-95% RH

UniSense Controller