

Lex DDC Controller



INTRODUCTION

The **Micron Lex** represents a quantum leap in Modbus networked building environmental control systems with a rugged, reliable economical, small but very powerful flexible input/output control format.

By using the graphical programming application to easily and flexibly program Micron Lex units for OEM unitary systems such as HVAC, AHU, FCU, Heat Pumps,

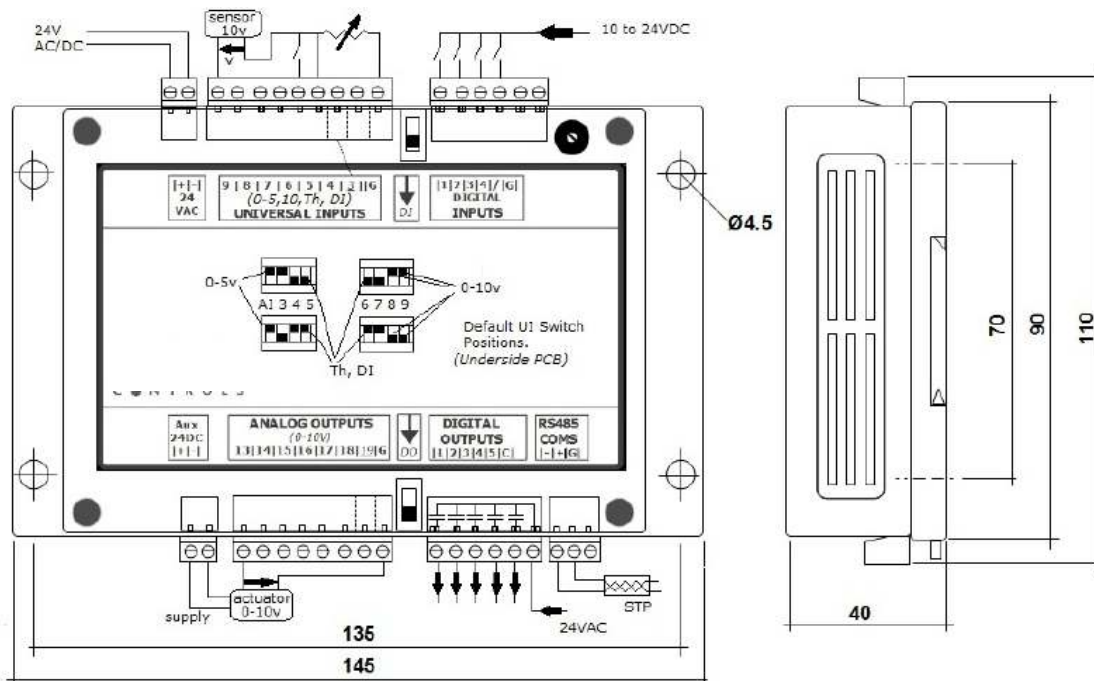
Chillers, Pumps, Fans, Dampers and Lighting systems, it can be **BACnet** integrated and controlled with the SuperVZR Internet web server to increase efficiency and effectiveness.

The **Micron Lex** is ideal but not limited to use for Schools, Hotels, Hospitals, Offices, University Campuses, Residential to give big reductions in Energy costs.

FEATURES

- Rugged, Reliable DIN mounted unit with 3 Year Warranty and UL* and CE Compliance.
- Max 21 I/O = 6UI, 4DI, 6AO, 5DO (24VAC, 1A TRIAC) - (UI = Thermistor, DI, 0-10v or 0-5v)
- Modbus standard RS485 Coms with up to 254 Micron units per network
- Powerful graphical programming and strategy management.
- On board Auxiliary 24VDC power supply for peripheral equipment.
- Digital Input/Output expandability using IOM units for +30 I/O

DIMENSIONS & WIRING



SPECIFICATIONS

Temperature range.....10-50°C (50-99°F)
 Supply voltage.....24VAC ±20%, 50-60Hz
 Power consumption.....100mA at 12VDC
 TRIAC ratingmax 1A @ 24VAC
 Operation.....10-50°C (50-99°F)
 Storage.....2-50°C (35-120°F)
 Ambient humidity.....10-90 %Rh
 Material, enclosure..... ABS
 Enclosure rating.....DIN IP31
 Temperature sensor.....10K thermistor ±0.5°C
 Weight300g

NB. Peripherals need separate power supply with compatible GND

WIRING

Power Supply: 1 = +24VAC /DC live; 2 = GND (neutral - 0v)
Inputs: 3 to 9 = Universal Input (AI, DI or TI)
 (AI = 0-10v, TI = 10KOhm3A, DI = Dry Contact)
 (On board switches for AI 0-5v option)
DI SW 3 = ON = 1 to 4 Digital Inputs (10 to 24vdc ext. pwr)
Coms 10,11,12 = Network communication (RS485)
 (ION Modbus RTU - 19K2; DB=8, SB=1, Parity=0.)
Default address = 58 (Universal = 254)
Outputs 13 to 19 Analog - 0-10v, 100mA.
DO SW. 19 = ON = 1 to 5 = TRIAC Outputs; 24VAC, 1A Max
NB. Analogue cable to be shielded twisted pair. Shield one end only.