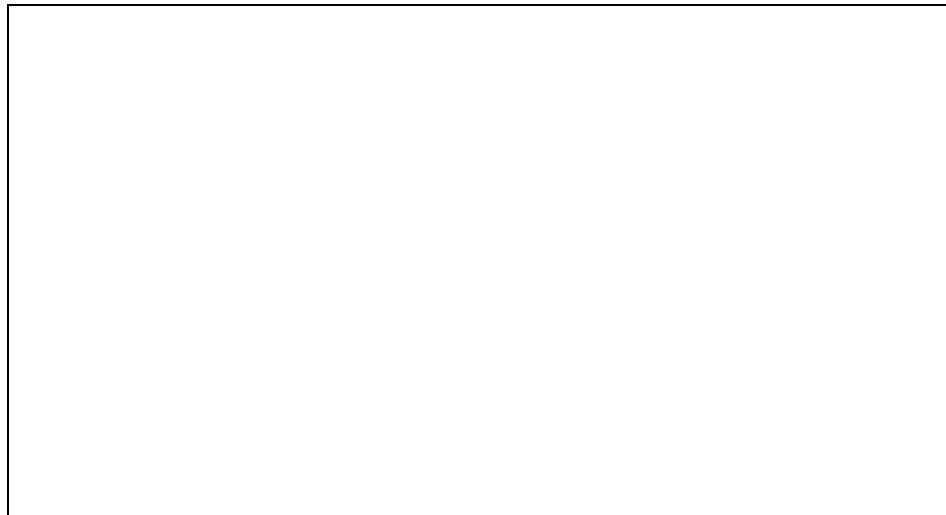




UNIVERSAL CONTROLLER PART NO. 33UNIVCTRL-01

- PERFORMANCE DATA
- PHYSICAL DIMENSION PRINT



Date:	Supersedes:	UNIVERSAL CONTROLLER	33ZC	Rev: -11SB
JOB NAME:		LOCATION:		
BUYER:		BUYER P.O. #	CARRIER #	
UNIT NUMBER:		MODEL NUMBER:		
PERFORMANCE DATA CERTIFIED BY:			DATE:	

DESCRIPTION

The Universal Controller (part number 33UNIVCTRL-01) provides auxiliary building control to interface with lighting, fans, pumps and other HVAC equipment in a stand-alone or Carrier-networked environment using closed-loop, direct digital controls. The Universal Controller's pre-engineered algorithms provide simple building integration for small-to-medium commercial applications with 16 field point capability (8 inputs and 8 outputs).

PERFORMANCE DATA

Input Characteristics

- Each input (1 to 8) can be used as a discrete, analog, or temperature input
- Discrete inputs can be dry contact or pulsed dry contact

Output Characteristics

- Each output (1 to 8) can be discrete or analog

Power Supply Characteristics

The Universal Controller uses any standard, Class II, SELV-compatible, field-supplied 24 vac, 60 va transformer.

→ **Operating Characteristics**

Power Requirements 60 va at 24 vac ± 15%
(1.5A at 33 vdc ± 15%)
50/60 Hz

Dimensions 14 in. H x 6.5-in. L x 2-in. D
(356 mm x 165 mm x 51 mm)

Operating Temperature -40 F to 158 F, Outdoor Rated
(-40 C to 70 C)

Storage Temperature -40 F to 185 F (-40 C to 85 C)

Operating Humidity 10 to 95%, non-condensing

→ **Discrete Output Specifications**

Output Signal 24 vdc at 80 mA

Analog Output Specifications

4 to 20 mA Type
Load Resistance 500 to 600 ohms
Resolution04 mA
Accuracy ±2%

0 to 10 vdc Type (varies with point type)

Load Resistance 50 ohms
Resolution 20 mV
Accuracy ±2%

Discrete Input Specifications

Dry Contacts Switch Closure
Pulsing Dry Contacts
Repetition Rate 5 Hz max.
Minimum Pulse Width 100 msec

Analog Input Specifications

4 to 20 mA Type
Wire type 2-wire
Resolution 0.025 mA
Accuracy ± 1.5%

0 to 10 vdc Type
Resolution 0.0125 v
Accuracy ± 1%

Temperature Inputs — 5K Thermistor Type

Nominal reading at 5,000 ohms 77 F (25 C)
Resolution0.2° F
Accuracy ± 1° F

Temperature Inputs — 10K Thermistor Type

Nominal reading at 10,000 ohms 77 F (25 C)
Resolution0.2° F
Accuracy ± 1° F

Agency Approvals

The Universal Controller is UL 873 and CE Mark Industrial listed.

PHYSICAL DIMENSION PRINT

CUT ALONG DOTTED LINE

CUT ALONG DOTTED LINE

