

ELECTRONIC REFRIGERATION CONTROL

PARAGON ERC-2

The Paragon ERC-2 is a microprocessor-based controller designed to manage all of the temperature and defrost functions in a typical piece of commercial refrigeration equipment. By integrating these functions into one device, the ERC-2 can replace up to five different controls; the case thermostat, defrost timer, defrost termination switch, fan delay switch, and thermometer.

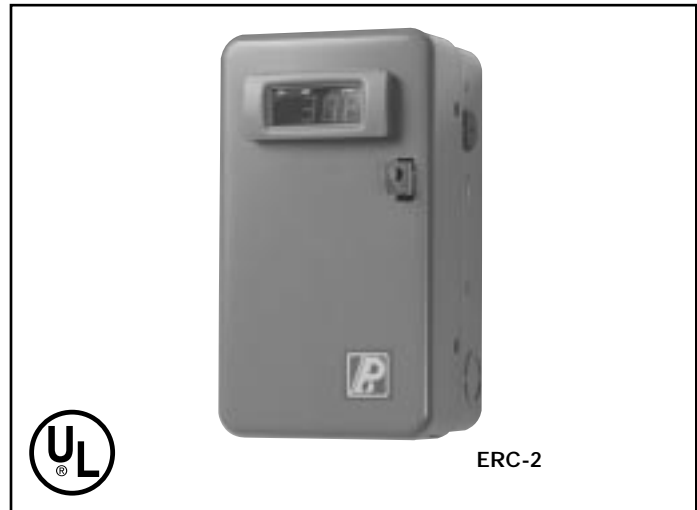
The ERC-2 features two NSF approved temperature sensors for the case and the evaporator. Also featured are four powerful relay outputs; one each for the compressor, fan, defrost and alarm. Selectable line voltage input power (120/208/240VAC at 50/60Hz) enable it to handle a wide range of equipment.

ORDERING DATA

UNI-LINE ORDER NO.	CONFIGURATION
ERC2-212111-170	NEMA 1 case with integrated display
ERC2-222111-170	NEMA 1 case with remote display

SPECIFICATIONS

Input Power	120/208/240 VAC (+10, -15%), 50/60 Hz
Temperature Setpoint Range	- 40°F to 60°F (-40°C to 16°C)
Defrost Cycles	1 to 8 per day or 1 every 48 hours
Temperature Sensors	NTC thermistor
Ambient Operating Conditions	- 40°F to 122°F (-40°C to 50°C) 0 to 95% RH (non-condensing)
Case Dimensions	4.40" W x 7.82" H x 3.80" D
Display Module Dimensions	2.75" W x 1.10" H x 1.38" D
Shipping Weight	2.7 lbs.
Agency Approvals	UL, NSF



OUTPUT RELAY RATINGS

	120 VAC	208 VAC	240 VAC
Compressor: SPST NC			
Horsepower Rating (HP)	1	1.5	2
FLA/LRA	16/96	12/72	12/72
Pilot Duty (VA)	470	470	470
Defrost: SPST NO			
Resistive Amps	16	16	16
Horsepower Rating (HP)	1/2	3/4	1
Pilot Duty (VA)	470	470	470
Evaporator Fan: SPST NC			
Resistive Amps	16	16	16
Horsepower Rating (HP)	1/2	3/4	1
FLA/LRA	10/59	8/48	8/48
Pilot Duty (VA)	470	470	470
Alarm: SPST NO			
Resistive Amps	5	5	5
Pilot Duty (VA)	240	240	240