



KLLC100 AND KLLC480 LEAD-LAG CONTROLLER



APPROXIMATE WEIGHT

2.2 lbs. [1.0 kg]

SPECIFICATIONS

ELECTRICAL

INPUT

Nominal Voltage: 18-30 VAC
Frequency: 50/60Hz

OUTPUT

Type: Triac
Number: Four (4)
Rating: 2 amps per output @ nom. 24 VAC

KLLC100 Supplied with a 115V wall outlet transformer

KLLC480 Supplied with multi-voltage field-wired transformer

OPERATIONAL

HEAT/COOL STAGING

First Stage Heat (H1): deadband setting above thermostat setpoint (C1)
Second State Heat (H2): 2°F below H1
First Stage Cool (C1): equal to thermostat setpoint
Second Stage Cool (C2): 2°F above C1

DEADBAND

Adjustable: 2° to 20°F

SHORT-CYCLE PROTECTION

Stage 1: Three (3) minutes
Stage 2: Four (4) minutes

SETPOINT

Adjustable: 55 to 90°F @ C1

ADVANCE SEQUENCER

Pin selectable: Alternates every 1, 3, 7, 15 or 28 days, or fixed
Manual ADVANCE pushbutton initializes sequence record

MODE MEMORY

On power loss, system 'remembers' which previous mode it was in

TEST MODES

Thermistor bypass calibration mode jumper
Accelerated test mode jumper

DISPLAY LEDs

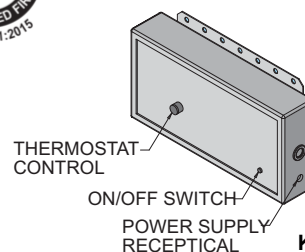
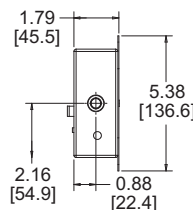
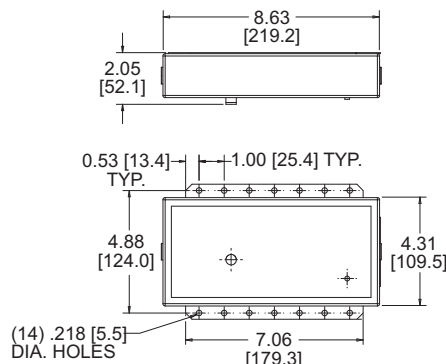
Green LEDs: call for COOL (C1 & C2)
Red LEDs: call for HEAT (H1 & H2)

STANDARD FEATURES

True Dual Stage control
Regulates 1 or 2 air conditioners
Controls units based on temperature and run-time
Second unit can heat or cool only when necessary
Built-in thermostat (adjustable setpoint, deadband and sequencer)
Compact housing
Memory on power loss
Enables load balancing and redundancy
Manages heating and cooling of both units
Provides Short-Cycle protection
Includes status LEDs



DRAWINGS AND DIMENSIONS inches [metric]



KLLC100

Find additional information on this model at kooltronic.com, or use the Technical Documents QR code below.

Technical Documents



HOW TO ORDER

Specify model number.

Dimensions, inches [mm], are for reference only and subject to change.

kllc100/480.qxd (11/2/20) (CDR: 20293)