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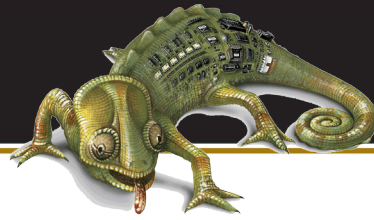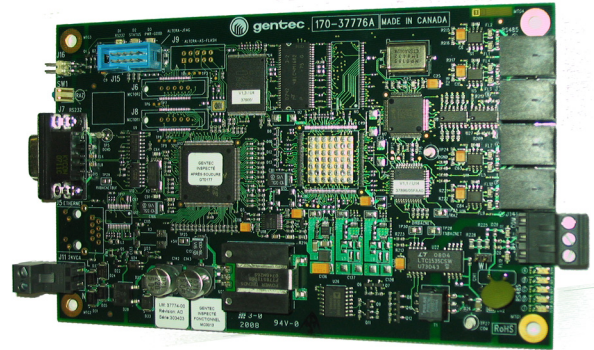**kameleon™**
ADAPTABILITY IN LIGHTING CONTROL

K6 SERIES

BACnet

General Description

The KC-601 interface is a Native BACnet application controller that communicates on a BACnet MS/TP RS-485 LAN. The controller is designed for lighting control applications in accordance with the KC-401 series controller. The KC-601 provide a complete relay panel control from 8 to 64 lighting control relays with parallel control devices as switches, motion detectors, BAS, etc.

- Field Programmable KC-601 Controller
- 4-Output RS-485 LAN @ 9600, 19200, 38400, 11520 bds
- Support up to 4 Groups (KC-401) Configuration
- A KC-601 can be networked with a KC-401 Relay Controller to control up to 64 relays and 4 groups
- Multi-Group Relay Assignments Capability
- Multiple Output Combinations (4 Devices):
  - KC-401 Sequencer Control Complying:
    - Photocell (Indoor and Outdoor)
      - Dedicated Inputs (2)
  - Inputs
    - (1) RS-485 BACnet LAN Port
    - (1) RS-232 Port for PC
    - (1) Push-Button Reset
    - (1) BACnet Communication Status LED
    - (3) Programming Status LED Indicators
    - 24 Vac Supply
  - Outputs
    - (4) RS-485 Communications Ports
    - (3) RS-485 Communication LED Indicators

Specifications

Protocol	BACnet MS/TP
	Serial Communication Between KC-601 & KC-401

Functional Characteristics

- The KC-601 is a BACnet MS/TP device that allows KC-401 sequencer to send and receive BACnet commands to or from BAS.
- The KC-601 interface uses RS-485 networking technology that uses Native BACnet MS3TP protocol.
- Building Management System (BAS) can configure and program from their database all of the functions inherent in the KC-601 BACnet node and KC-401 sequencer.
- The KC-601 conforms to the open Native BACnet variable for lighting control.
- The KC-601 allows programming, control and monitoring up to (4) KC-401 sequencer of 16-relay group each.
- The KC-601 allows control and monitoring of 60 relays individually.
- The KC-601 allows control and monitoring of 16 multiple contacts devices as switches, time clock, occupancy and light sensors.

Electrical Specifications

- Power Supply 24 Vac, 125 mA, Class 2
- IEC Standards Compliances
  - IEC 60255-22-4: Fast Transient Disturbance Tests
  - IEC 61000-4-2: Electrostatic Discharge Immunity Test
- Environment
  - Temp. 0-50° C (32 - 122° F)
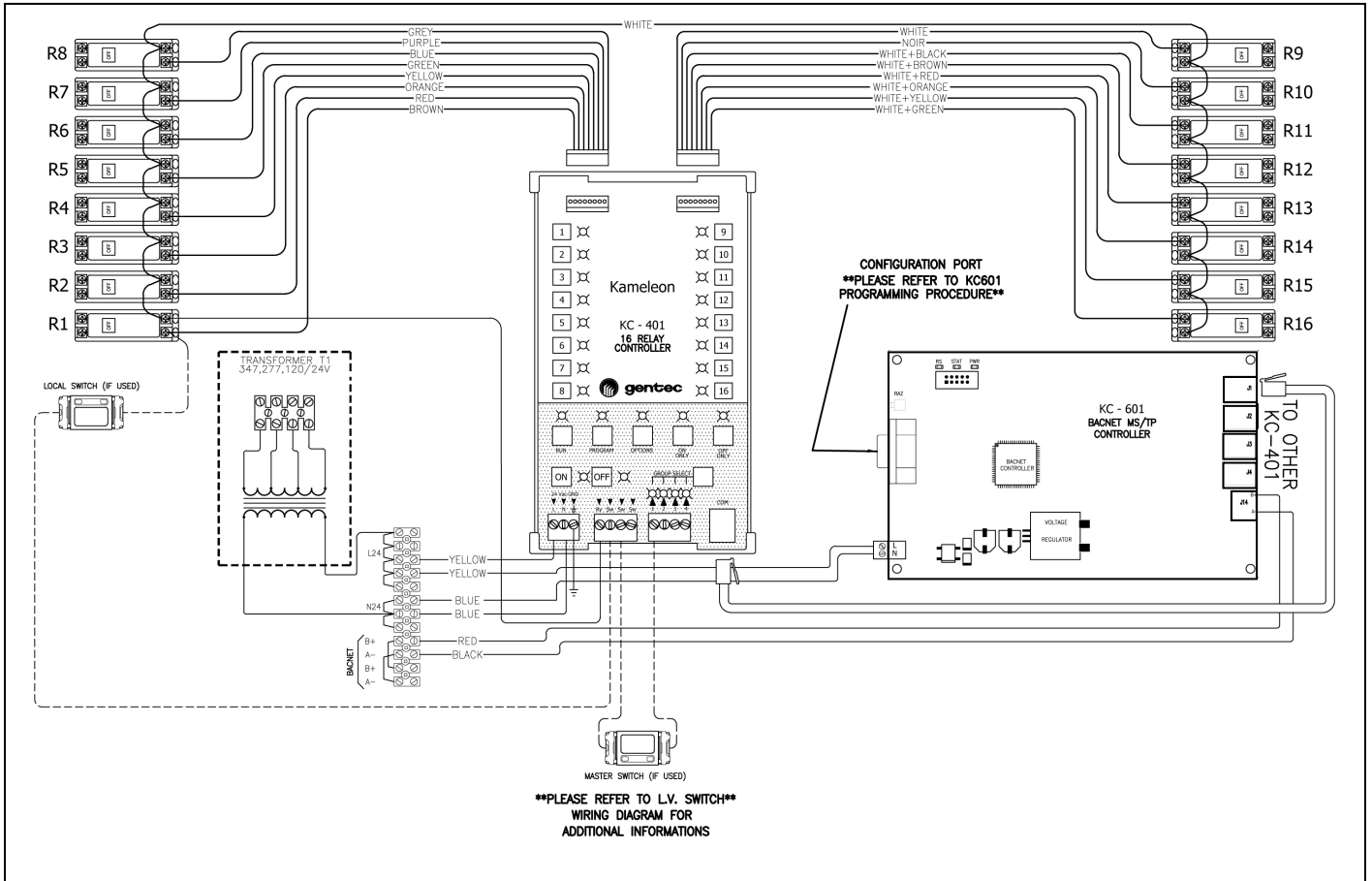 - Humidity (non-condensing) 10 to 90%

Accessories/Options

- Installation Kit

K6 SERIES

Native BACnet System

Project Name		Date	
Project No.			

c(UL)us LISTED   CSA

R8 R7 R6 R5 R4 R3 R2 R1

R9 R10 R11 R12 R13 R14 R15 R16

WHITE
WHITE
NOIR
WHITE+BLACK
WHITE+BROWN
WHITE+RED
WHITE+ORANGE
WHITE+YELLOW
WHITE+GREEN

GREY
PURPLE
BLUE
GREEN
YELLOW
ORANGE
RED
BROWN

Kameleon

KC - 401
16 RELAY
CONTROLLER

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1 2 3 4 5 6 7 8

9 10 11 12 13 14 15 16

RUN PROGRAM OPTIONS ON ONLY OFF ONLY

ON OFF GROUP SELECT

CONFIGURATION PORT
**PLEASE REFER TO KC601
PROGRAMMING PROCEDURE**

KC - 601
BACNET MS/TP
CONTROLLER

BACNET
CONTROLLER

RS STAT PWR

RAZ

VOLTAGE
REGULATOR

TO OTHER
KC-401

LOCAL SWITCH (IF USED)

TRANSFORMER T1
347,277,120 / 24V

L24
YELLOW
YELLOW
N24
BLUE
BLUE
B+
A–
RED
BLACK
B+
A–
BACNET

MASTER SWITCH (IF USED)

PLEASE REFER TO L.V. SWITCH
WIRING DIAGRAM FOR
ADDITIONAL INFORMATIONS

Dimensions: 107 mm x 180 mm (4,2″ x 7,0″)

Ordering Information

37774-00	KC	-601
39689-01	Complete Kit	
Part Number	Kameleon Series	BACnet Interface K6 Series

kameleon
ADAPTABILITY IN LIGHTING CONTROL

Authorised Distributor

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