BLUERIDGE LIGHTING ZONE CONTROLLER

ZC BASIC SERIES

NEW!

BLUE RIDGE TECHNOLOGIES™
UNIFIED LIGHTING CONTROL

DESCRIPTION

Zone Control Basic (**ZC Basic**) is a UL Listed distributed lighting controller in a compact junction box mounted package. **ZC Basic** may be scheduled from any BACnet BAS, and it is compatible with all low voltage override switches, occupancy sensors, and light level sensors. **ZC Basic** is suited for new or existing buildings, and may be scaled from basic to advanced occupancy and vacancy detection control sequences.

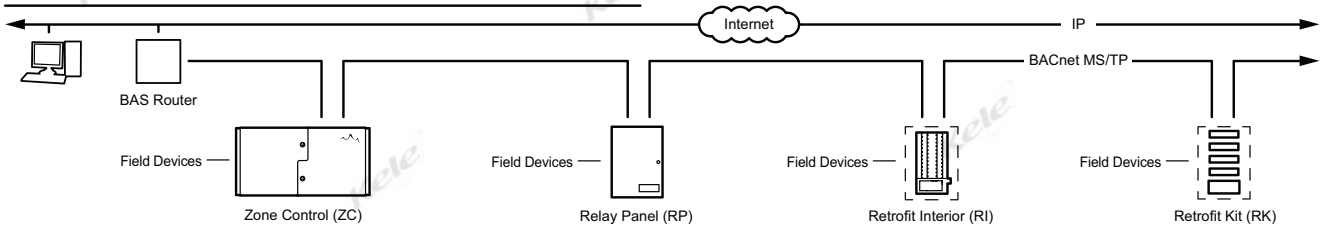
ZCSB-00-00

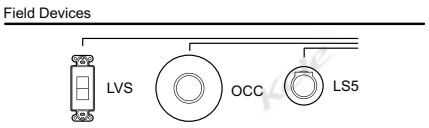
FEATURES

- ***UL Listed and Plenum Rated (UL E133813)***
- ***BACnet MS/TP communication to BAS network***
- ***Line and low voltage compartment separation***
- ***Micro-USB and Bluetooth (optional) ports for configuration***
- ***Monitor and measure equipment performance***
- ***Track lamp, ballast, and relay life***
- ***Track schedule, occupancy sensor, and manual control savings***

WIRING

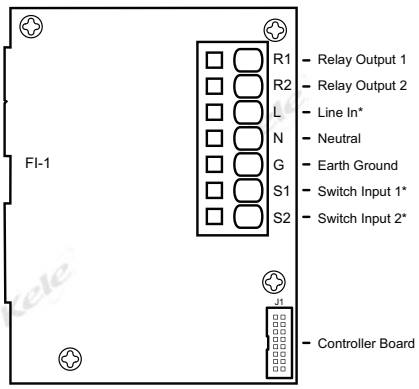
General Architecture





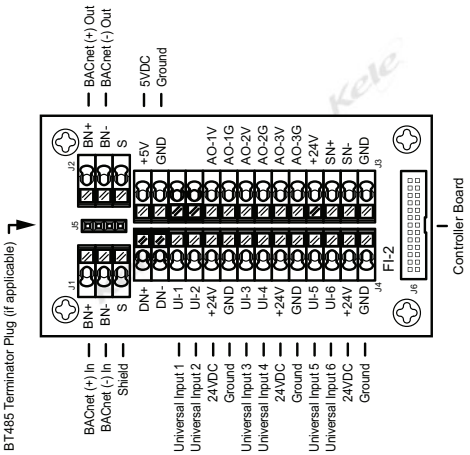
LVS (Low Voltage Switch) / OCC (Occupancy Sensor) / LS5 (Light Sensor)

FI-1 Board Terminations

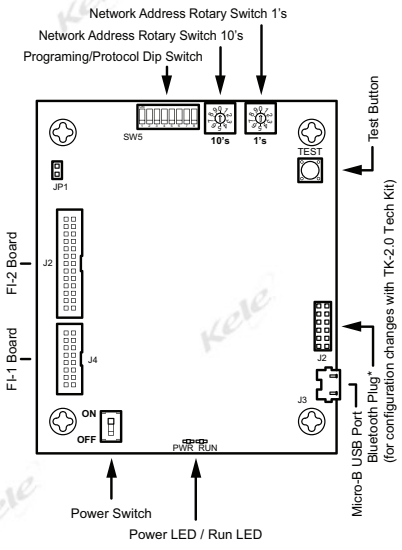


*FI-1 terminations are compatible with 120, 230, or 277VAC single phase circuits. Do not mix voltages or phase on the same unit. Refer to install guide for wiring details.

FI-2 Board Terminations



Controller Board Terminations



*Applicable on ZC with Bluetooth Wireless Option only.

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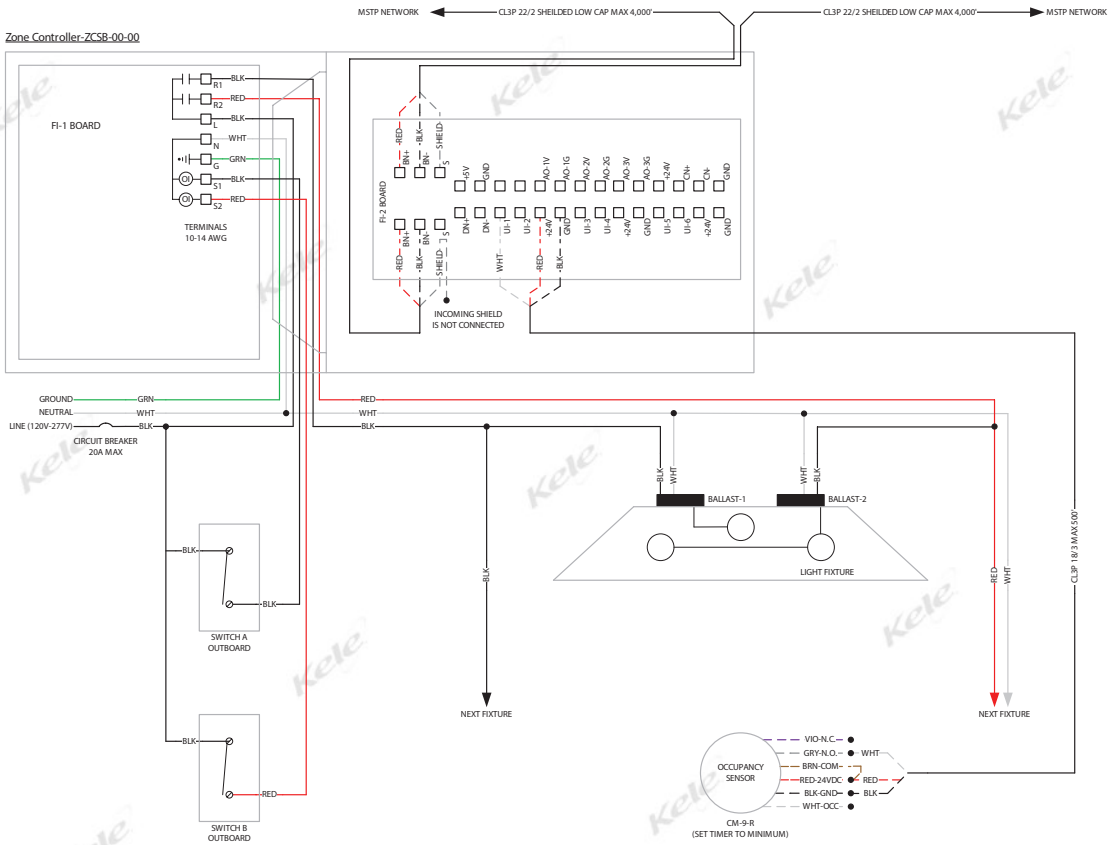
APPLICATION

ZC 2-Channel Line Voltage 2-Way Switch Application Example



SPECIFICATIONS

Supply Voltage	120, 230 or 277 VAC ± 10%, 50/60 Hz
Resistive Load	20A @ 277VAC / 1.5HP @ 120VAC
Relay Type	Mechanicall latching relays with manual override lever
Relays	2
Connection Style	Micro-B USB or Bluetooth Wireless
Communication Protocol	BACnet MS/TP to BAS network
Network Configuration	Max Length 4000 ft Tech Kit 2.0
Override	Manual
Operating Temperature	0 to 140°F (-18 to 60°C)
Operating Humidity	10-90% RH non-condensing
Mounting	4" or 4 11/16" juntion box
Enclosure	20ga steel white powder coat finish
Enclosure Rating	Plenum Rated, Type 1, (dry / indoor envirnment)
Dimensions	10.0"W x 5.06"H x 2.50"D (25.4 x 12.9 x 6.4 cm)
Weight	3 lb (1.36 kg)
Approval	UL listed, UL916, FCC Part 15, CEC Title 24
Warranty	2 years

ORDERING INFORMATION

MODEL	DESCRIPTION
ZCSB-00-00	Zone Controller, Switching Basic, 120/277, Max of 2-CH
ZCSB-00-BT	Zone Controller, Switching Basic w/ BlueTooth, 120/277, Max of 2-CH

ACCESSORIES

TK- 2.0	Technicians Kit, includes Micro-USB Cable, USB flash drive with Essentials software, USB Bluetooth Dongle, Bluetooth module, and Screwdriver