

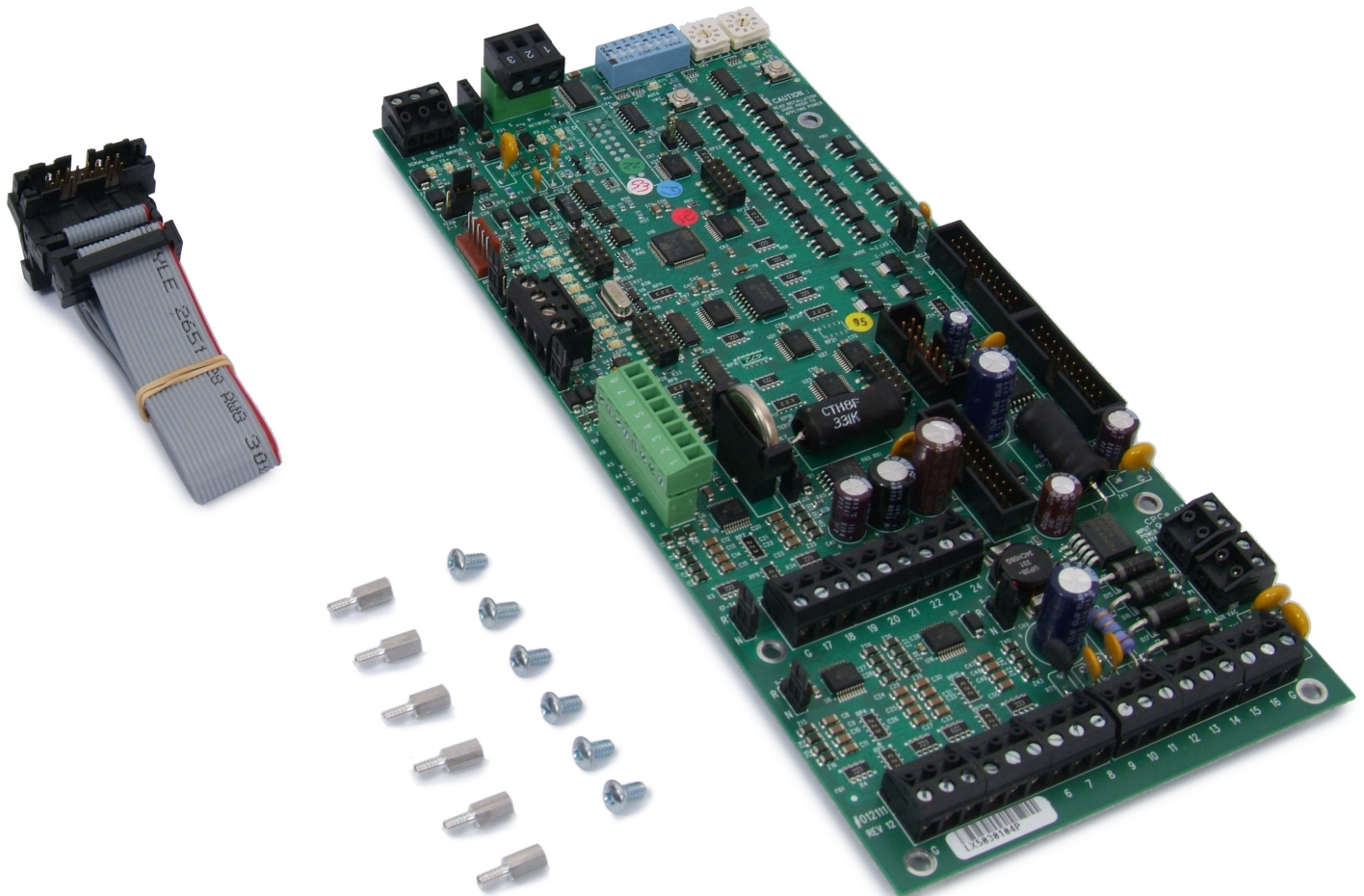
AORK1 Overview

Many stand-alone and proprietary lighting control panels become inoperable with age, and the promised energy savings are no longer reality. The cost and downtime involved with the looming replacement of the stand-alone system is not an option. Blue Ridge's brain transplant offers an economical alternative to replacing the entire relay panel, by retaining a substantial portion of the original investment.

Reduce labor up to 60%, install in less than 4 hours
Keep relays, line voltage wire, conduit, and enclosures
Schedule, monitor, alarm, and trend from your Building Automation System (BAS)
Reduces annual operation by 2,000 hours on average

AORK1 Retrofit Kit is designed to convert existing LMB based relay panels which utilize LTR style relays. The kit includes an Lx5 Controller, two 16 to 20 pin ribbon cable adapters, and 6 threaded standoffs.

Compatible with :
Lumisys L3500 Panels (LTR)
Triatek LP3500 Panels (LTR)



General Specifications

Electrical

BAS Communication Protocols
BACnet MSTP and N2

Network Requirement
EIA-485 (Belden 8760 or equivalent)

Power Supply Requirements
24VAC minimum \pm 10%, 30VA, 50-60 Hz

Outputs
Control up to 60 relays

Inputs
24 software configurable switch inputs (expandable up to 120)

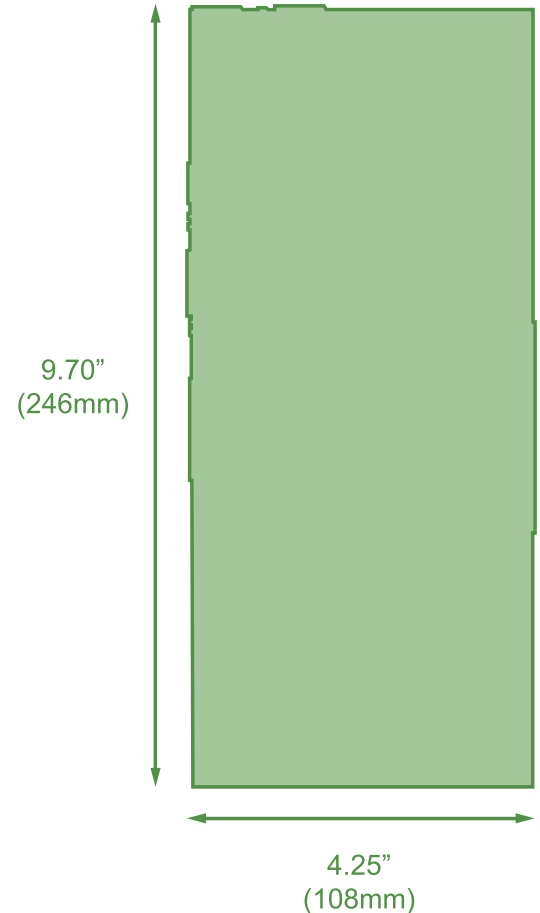
Momentary ON, Momentary OFF, Momentary ON/OFF, Maintained,
Linked, State Change

Analog Inputs
6 Analog Inputs (0-5 VDC) - typically used for Light Level Sensors

Digi-Touch Input
Allows use of Digi-Touch switch network

Mechanical

Dimensions
9.70" (246mm) H x 4.25" (108mm) W



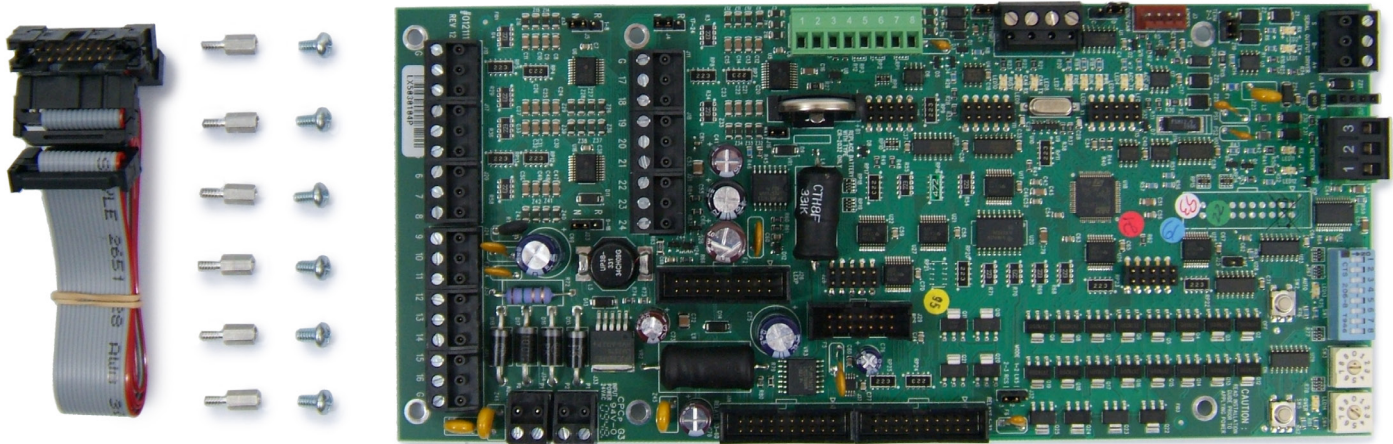
General Specifications

Environmental

Operating Temperature 32° to 125° F (0° to 50° C)
Operating Humidity 20% - 95%RH, non-condensing

System Certification

Electronics meet or exceed IEC Level 3 standards:
Radiated Emissions, IEC 55022, Class A
Conducted Emissions, IEC 55022, Class A
Quasi-Stationary Current Harmonics, IEC 6100-3-2
Voltage Fluctuation and Flicker, IEC 6100-3-2
Electrostatic Discharge, IEC 61000-4-2
Electrical Fast Transient/Burst, IEC 6100-4-4
Surge Immunity, IEC 6100-4-5
Immunity to Conducted Disturbance, IEC 6100-4-6
Immunity to Voltage Dips, Short Interruptions, Voltage Variations, IEC 6100-4-11
Electromagnetic Compatibility Generic Immunity Standard. Part 1, IEC 6100-6-1



Part Number	Description
AOR-K1	BACnet Upgrade Controller, LMB Based Products Only, Includes Lx5 Controller, two 16 to 20 pin ribbon cable adapters, and (6) standoffs.