

**AK SERIES ARCHITECTURAL REMOTE STATION**

Version 0.1

**OWNERS MANUAL**

08/08/2011

**GENERAL DESCRIPTION**

AK Series remote units are wall mounted, multiscene remotes for use with the Lightronics AR-1202 architectural dimmer and certain other Lightronics products. Each button activates a complete lighting scene. LED indicators show which scene active.

There are currently three models available:

|                |                 |
|----------------|-----------------|
| <b>AK-1005</b> | <b>5 Scenes</b> |
| <b>AK-1003</b> | <b>3 Scenes</b> |
| <b>AK-1002</b> | <b>2 Scenes</b> |

AK Series units fit into standard single gang wall switch boxes. They communicate with the AR-1202 via a 4 wire bus which will accommodate several remotes and other controls. All wiring is low voltage.

The units generally operate in an exclusive mode where only one scene can be active at a time. Each scene may be toggled on and off. When a scene is selected, the AR-1202 circuits fade, at a user controlled rate, to the setting for that scene.

Scenes activated by these remotes are actually set up and stored in the AR-1202 dimmer. The remotes only tell the AR-1202 which scene(s) to activate.

**INSTALLATION****CAUTION**

Remove all power from the AR-1202 before making connections

AK Series units connect to the AR-1202 via a shielded 4 conductor cable arranged as 2 twisted pairs. One pair connects to the DATA - and DATA + signals. The other pair carries the common and power.

See the diagram "CONNECTOR WIRING" for details.

**SINGLE UNIT:** Connect the 4 cable wires to the screw down terminals on the back of the unit. Connect the cable shield to the REMOTE COMMON terminal.

The other end of the cable connects to a small terminal strip inside the AR-1202 dimmer. Refer to the AR-1202 Owners Manual for complete wiring details.

**AK-1005**

**MULTIPLE UNITS:** Follow the instructions for a single unit for the first AK Series remote. Connect the terminals of the second unit to the corresponding terminals of the first unit (create a "daisy chain").

Additional units can be added in the same manner.

Do not make multiple "home runs" to the AR-1202 or create a "star network".

**OPERATION****SCENE SETUP**

Scenes to be activated by an AK Series remote must have already been created and stored in the AR-1202 dimmer. See the AR-1202 Owners Manual for instructions on programming scenes.

AK Series remotes are used with AR-1202 scenes starting at scene one (the top button). The remaining buttons use the next consecutive numbered scenes. If multiple units are used, they will ALL use scenes starting at scene one.

It is possible to make AK Series remotes operate with other scenes but the unit must be ordered with special factory programming to do so.

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## GENERAL OPERATION

No setup or turn on procedure is needed. When the AR-1202 dimmer is powered on, the AK Series remotes will also be powered.

If communication with the AR-1202 cannot be established, a remote will appear to be repeatedly scanning through all scenes.

## MAINTENANCE AND REPAIR

### TROUBLESHOOTING

1. Check cables and the connections at both ends.
2. If the unit is being used with a AR-1202 system - ensure that one (and only one) of the AR-1202 dimmer(s) in the system is set to UNIT ADDRESS 00

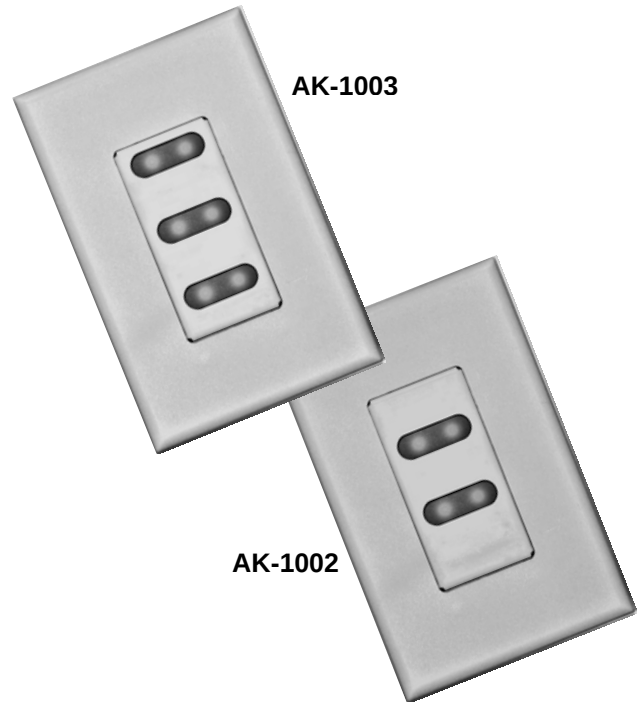
### OWNER MAINTENANCE

There are no user serviceable parts in the unit. Service by other than Lightronics authorized agents will void your warranty.

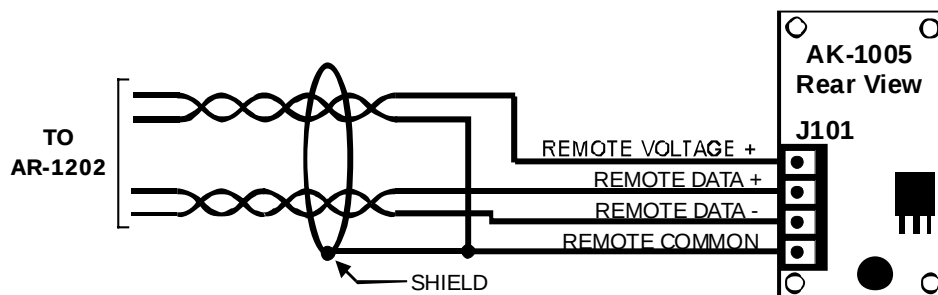
### OPERATING AND MAINTENANCE ASSISTANCE

Dealer and Lightronics Factory personnel can help you with operation or maintenance problems. Please read the applicable parts of this manual before calling for assistance.

If service is required - contact the dealer from whom you purchased the unit or contact the Lightronics, Service Dept..



## CONNECTOR WIRING





All Lightronics products are warranted for a period of TWO/FIVE YEARS from the date of purchase against defects in materials and workmanship.

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This warranty is subject to the following restrictions and conditions:

- A) If service is required, you may be asked to provide proof of purchase from an authorized Lightronics dealer.
- B) The FIVE YEAR WARRANTY is only valid if the warranty card is returned to Lightronics accompanied with a copy of the original receipt of purchase within 30 DAYS of the purchase date, if not then the TWO YEAR WARRANTY applies. Warranty is valid only for the original purchaser of the unit.
- C) This warranty does not apply to damage resulting from abuse, misuse, accidents, shipping, and repairs or modifications by anyone other than an authorized Lightronics service representative.
- D) This warranty is void if the serial number is removed, altered or defaced.
- E) This warranty does not cover loss or damage, direct or indirect arising from the use or inability to use this product.
- F) Lightronics reserves the right to make any changes, modifications, or updates as deemed appropriate by Lightronics to products returned for service. Such changes may be made without prior notification to the user and without incurring any responsibility or liability for modifications or changes to equipment previously supplied. Lightronics is not responsible for supplying new equipment in accordance with any earlier specifications.
- G) This warranty is the only warranty either expressed, implied, or statutory, upon which the equipment is purchased. No representatives, dealers or any of their agents are authorized to make any warranties, guarantees, or representations other than expressly stated herein.
- H) This warranty does not cover the cost of shipping products to or from Lightronics for service.
- I) Lightronics Inc. reserves the right to make changes as deemed necessary to this warranty without prior notification.

