

AC1109
Architectural Remote Station

Version 0.2

Date 12/11/2020

DESCRIPTION OF UNIT

The AC1109 is a wall mounted, eight scene, remote station for use with the Lightronics LitNet architectural control system. The LitNet host units consist of the AR and AB series of architectural dimmers, the RA rack mount dimmers and the SR & SC architectural controllers. User operation is as simple as it can get (eight numbered scene buttons and an "OFF" control). LED scene indicators always display the active scene number.

The unit fits into a standard single gang wall switch box. The unit communicates on LitNet via a four wire bus which will accommodate several remotes and other controls. All LitNet wiring is low voltage.

The unit basically operates in an exclusive mode where one scene may be activated at a time. When a scene is selected, the lighting circuits fade at a user controlled rate to that scene. A blackout button is also provided to shut all scenes.

Scenes activated by the AC1109 are actually set up and stored in the LitNet host. The AC1109 only tells the host which scene to activate. The host can be programmed to respond to the AC1109 in various ways to create zone controls.

The AC1109 is normally factory set to operate with scenes 1 - 8 (block 1) of the dimmer. It can be factory set to operate with other blocks of 8 scenes as follows.

| | | | |
|---------|---------------|---------|----------------|
| Block 1 | Scenes 1 - 8 | Block 4 | Scenes 25 - 32 |
| Block 2 | Scenes 9 - 16 | Block 5 | Scenes 33 - 40 |
| Block 3 | Scenes 17- 24 | Block 6 | Scenes 41 - 48 |

Multiple AC1109 units using different scene blocks can be used together to create zone control.

INSTALLATION

The AC1109 connects to the LitNet system 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. Refer to the diagram **AC1109 CONNECTIONS** in this manual for additional wiring information.

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 pin. The other end of the cable connects to the host by different methods. Refer to the host product Owners Manual for additional wiring details.

MULTIPLE UNITS: Follow the instructions for a single unit for the first AC1109. Connect pin 1 of the second unit to pin 1 of the first unit. Continue for the remaining wires and shield. Repeat the procedure for additional AC1109 units.

OPERATION

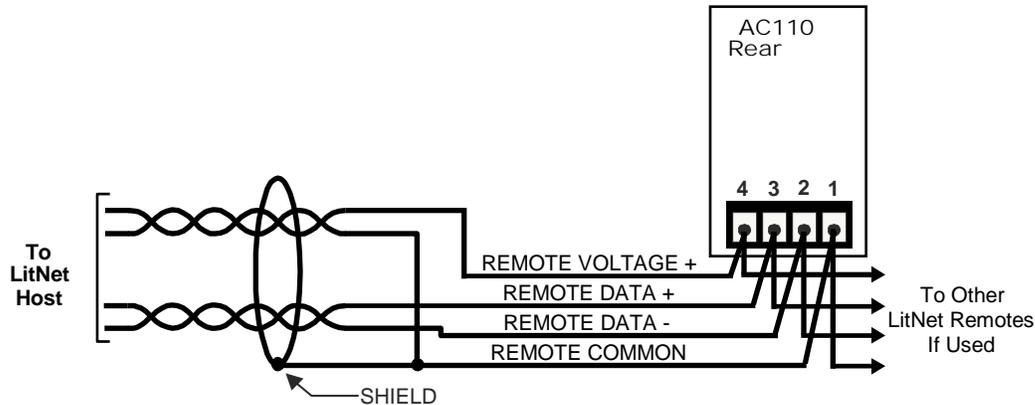
No setup or turn on procedure is needed. When the LitNet host is powered on, the AC1109(s) will also be powered. If communication with the LitNet host cannot be established, an AC1109 will appear to be repeatedly scanning through all scenes.

Scenes to be activated by an AC1109 must have already been created and stored in the LitNet host. See the host product Owners Manual for instruction on programming scenes.

If a scene is activated from an "OFF" condition but has no channels assigned to it which are on or partially on then the scene LED indicator will light and the "OFF" indicator will remain lighted.

If a scene with no channels on or partially on is activated while another scene which does have on or partially on channels is active then the LED indicator for the scene will light and the previous scene indicator will remain lighted

AC1109 CONNECTIONS



MAINTENANCE AND REPAIR

TROUBLESHOOTING

1. Check the cable and its connections
2. If the unit is being used with a multiple LitNet hosts - ensure that one (and only one) of the hosts in the system is set to UNIT ID 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 Lightronics, Service Dept..



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

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.