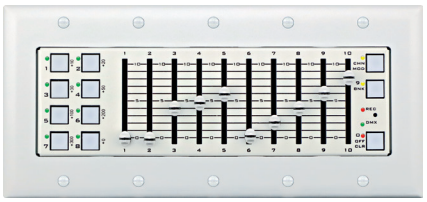
Unity™ Architectural Dimmers

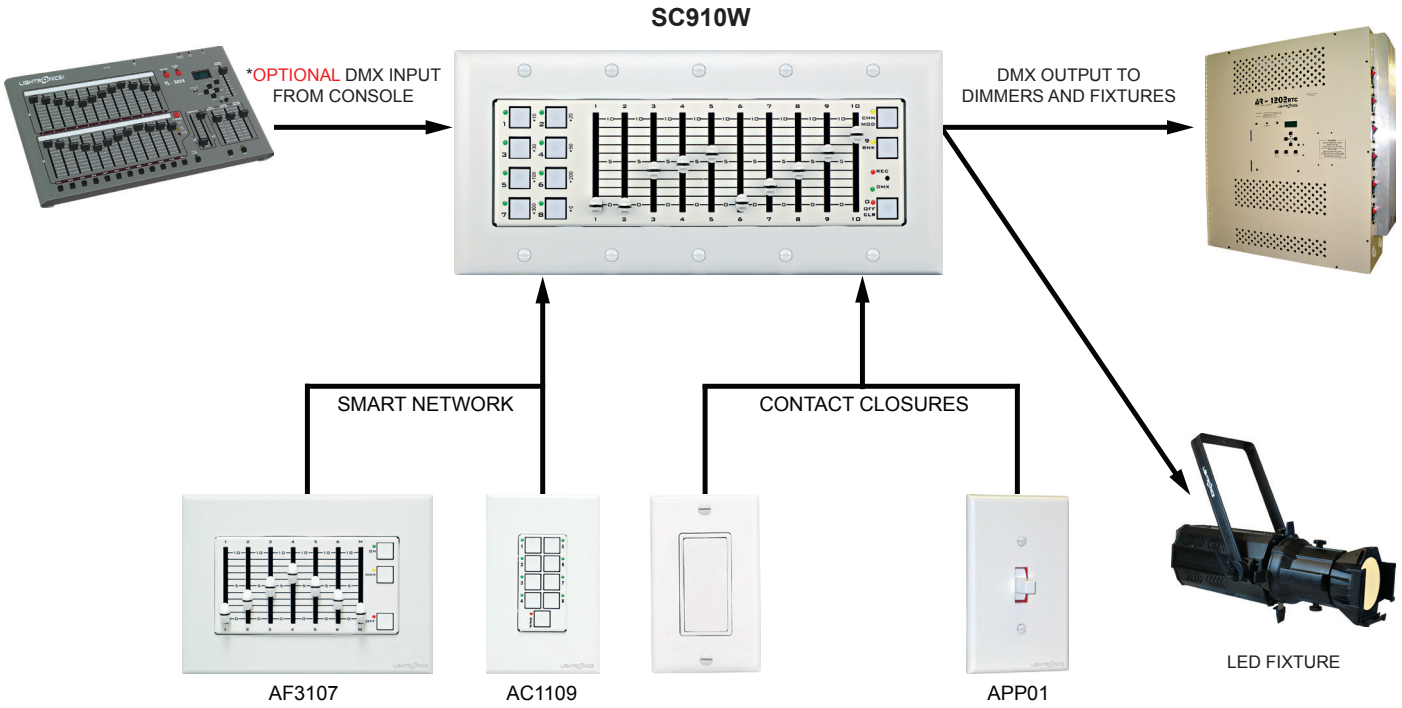
- Independent control of 512 DMX channels
- Store and recall 18 scenes
- 10 faders for scenes or DMX channel control
- User Defined Fade Times 0-99 minutes
- Programmable fixed DMX output value

SC910W
Architectural Controller



The SC910W is a compact and simple to use DMX controller and scene playback device, capable of local, independent control of 512 channels of DMX and 18 user defined, recordable scenes. This device can connect to a DMX chain with another controller and can snapshot up to 18 scenes to be recalled at the push of a button or slide of a fader. The SC910W also allows control of 16 scenes from simple contact switches and Lightronics smart pushbutton and fader stations. The SC910W is the perfect solution for any installation requiring seamless architectural and preset control of DMX512 lighting systems, controlling LED lighting for corporate events or as a backup to larger lighting consoles. Additional SC910W features include Local Fader and Pushbutton Lockouts, Remote Pushbutton and Fader Station Lockouts, Simple Switch Lockout, Record Lockout, Retain Previous Scene from Power Off, Mutually Exclusive Scene Grouping, Button Scene Off with DMX, and Non-Volatile Scene Memory.

TYPICAL SYSTEM DIAGRAM



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Unity Architectural Dimmers

LIGHTRONICS

SPECIFICATIONS

Protocol:	USITT DMX512
Dimmer Channels:	512
Recording Scenes:	18 user defined scenes from manual local faders or DMX snapshot
Recalling Scenes:	8 Push Button, 10 Faders locally recalled. Pushbutton, Fader Remotes and Simple Switch contacts allow for recalling 16 of 18 scenes. OFF/CLR button to blackout push button scenes.
Scene Fade Time:	Up to 99 Min. User settable per scene.
DMX Controls:	10 faders with 8 additive buttons to set block starting address.
Memory:	Non-volatile flash memory with a minimum 10 year data retention
Connectors:	Plug in screw terminal
Smart Remote Cable Type:	2 twisted pair, low capacitance, shielded data cable (RS-485)
Smart Remote Communication:	RS-485, 62.5Kbaud, bidirectional, 8 bit, micro controller network
Power Supply:	12V DC, 3 Amp external power supply (1 Amp minimum required). Positive center pin
Dimensions:	9.125” Wide x 4” High x2.5” Deep
Weight:	0.9 Pounds

Architect & Engineer’s Specifications

The controller shall be wall mountable in a standard 5 gang back box. Chassis and mounting points of the controller shall be constructed of steel, finished in powder coat. A plastic composite cover plate shall be provided with the controller to mask all mounting screws and the back box. All connections to power, simple switches, smart remotes, and DMX signal shall utilize a removable, keyed, low voltage, screw terminal connector. Dimensions: 9.125”W x 4”H x 2.5”D Weight: 0.9 Lbs.

GENERAL:
The controller shall be capable of discrete, control of 512 DMX channels utilizing the DMX512 protocol. The processor shall both receive and transmit DMX512. Lighted indicators shall display current active modes during operation. Controller shall be capable of snapshotting DMX inputs, to user defined scene locations. Scene playback shall consist of both push button and fader playback on the SC910W. Playback of scenes 1-16 can also be accomplished from Lightronics push button and fader remote stations and simple remote switches. Scenes shall playback in pile on, highest level takes precedence style. Scene playbacks shall be capable of being set to fade times of up to 99 minutes. The device shall allow users to set DMX output values to channels that cannot be modified during normal operation (Parking). A bypass is provided that will route a console DMX signal directly through the SC910W to the rest of the DMX universe when the SC910W is not powered.

Controller shall have non-volatile, internal, flash memory. Memory shall be sufficient such that 18 scenes containing level data on 512 channels of DMX can be saved for no less than 10 years without data loss or corruption. The control device shall be self-contained, no additional DMX512 transmitting device, programing device, or processor shall be required for operation or programming. The unit shall be powered by 12-16 volts DC. A power supply shall be provided that will operate between 110-240V AC. Power supply included shall output 12 volts at no less than 1 amp.

To view and/or download the Owner’s Manual click here:
www.lightronics.com/manuals/sc910wm.pdf

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