

Automatic Demand Response Load Shedding Technical Bulletin

Automatic Demand Response by IPKeys technologies is utilized by ILC to interface with the local power company using an OpenADR® 2.0a and b-compliant end point (or Virtual End Node (VEN)). The EISS® Box 3 can receive Demand Response (DR) signals and has four (4) Form C “Dry contact” relays for signaling the ILC LightLEEDer lighting control panel system.

When installing the EISS® Box 3 interface refer to the Installation Manual provided with the IPKeys product.

Connecting to the ILC LightLEEDer lighting control system

The EISS® Box 3 has 4 dry contact pilot duty relays each with screw down terminals providing a common, normally open, normally closed connection. The ILC LightLEEDer lighting control system will be provided with a LightSync Input Module (LS-IM) the EISS® Box 3 can be connected to the LS-IM using 18AWG class-2 wire (see Wiring Detail - WD0601).

The LS-IM can receive up to 4 independent maintained or momentary control closures, each input can be mapped internally by ILC to control a network Preset, Group or directly drive relays On/Off. Each input can also be used to signal a dimmer output with a “Goto --%” allowing the EISS® closure to trigger a specific dimmer level for any dimmer output. These inputs can also be used to trigger an If/Then Conditional for any relay, this conditional control can be configured as an Override to Force a Relay On, Off or Hold a state when the input is closed or opened. The “Release Revert” option when activated will return the relay overridden by the conditional command to its previous state when the condition is no longer active.

The ILC LS-IM module can be placed in any LightLEEDer panel in the system to provide panel level or system wide control. The LS-IM can be placed in the ILC panel network data line, allowing the LightLEEDer Network Controller Advanced (LL-NCA) to directly receive the commands and pass them to the other panel nodes in the LightLEEDer system.

For configuration of the EISS® Box 3 refer to the Installation Manual or contact IPKeys Technologies, LLC