



Pre-assembled integration gateway enabling Cooper ILC LightSync control systems to operate motorized window shades via Somfy IGC 4n1 Motor Controllers. Provides three independently programmable motor groups through ILC LightSync Dry Contact Output modules. DIN-rail mounted in a wall-mount NEMA 1 steel enclosure — no custom programming or external controllers required.

## KEY FEATURES

- ✓ Integrates Cooper ILC LightSync systems with Somfy motorized shade controls
- ✓ Three independently programmable motor group outputs (Zones 1–3)
- ✓ Two ILC LightSync Dry Contact Output modules (DCO #1: Zones 1 & 2, DCO #2: Zone 3)
- ✓ Interfaces with Somfy IGC 4n1 Motor Controllers — installed externally by shade contractor
- ✓ Motor group mapping configured via ILC Dry Contact Output module programming
- ✓ DIN-rail mounted components with RJ45 breakout board for field wiring
- ✓ No external power required — panel powered entirely through ILC LightSync network
- ✓ Pre-assembled and tested — plug-and-play field installation
- ✓ NEMA 1 steel enclosure (16"H x 16"W x 6"D) with knockouts

## SPECIFICATIONS

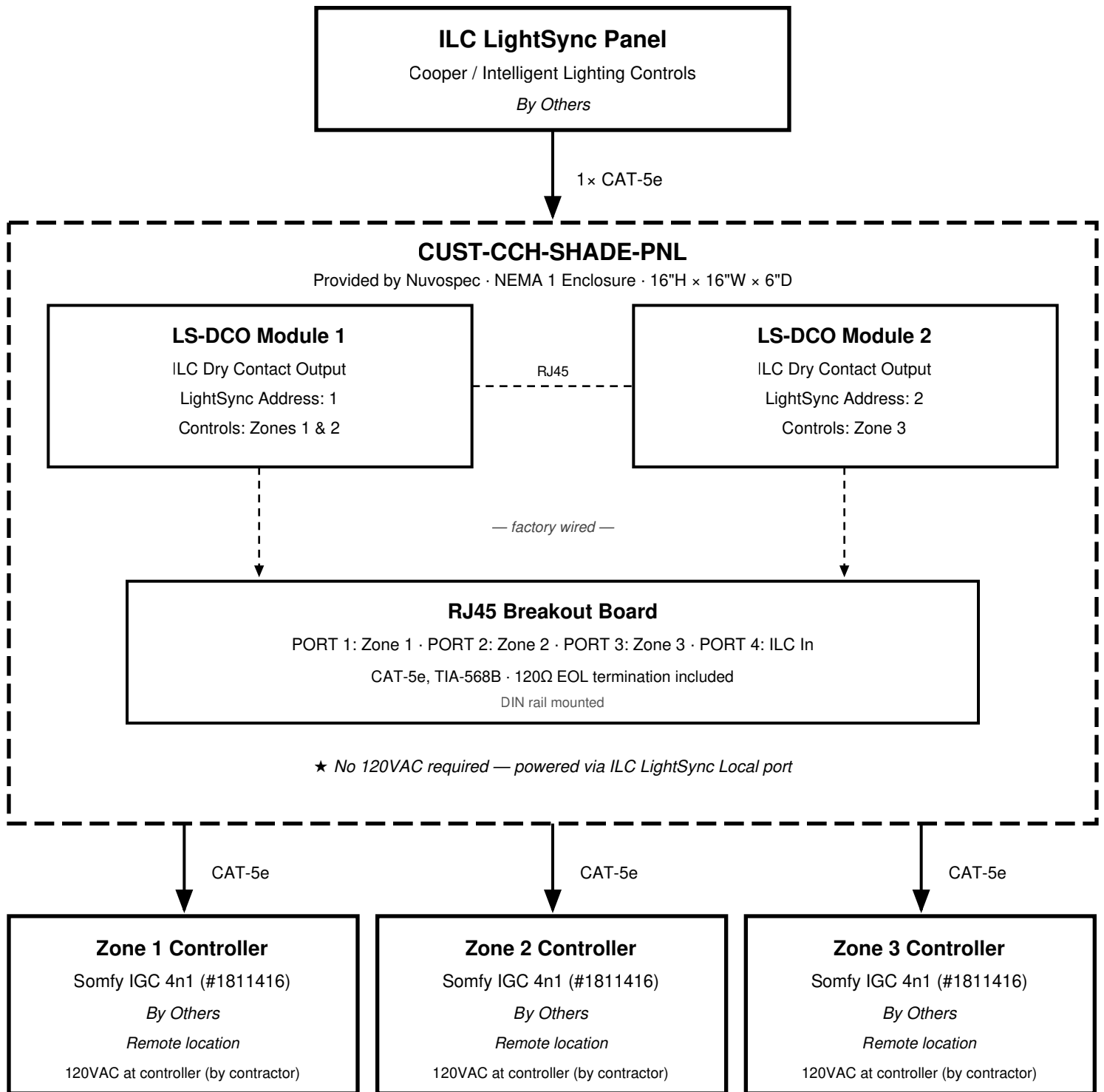
<b>Motor Groups</b>	3 independently programmable groups	<b>Control Input</b>	RJ45 (CAT-5e or higher, TIA-568B) from ILC LightSync network
<b>ILC Interface</b>	2x LightSync Dry Contact Output modules (LS-DCO-MNT-R)	<b>Panel Power</b>	None — powered via ILC LightSync Local port (no field power wiring required)
<b>DCO Zone Map</b>	DCO #1 (Addr 1): Zones 1 & 2 — DCO #2 (Addr 2): Zone 3	<b>Enclosure</b>	16"H x 16"W x 6"D, carbon steel, ANSI 61 gray, screw cover, wall mount
<b>Shade Controllers</b>	Somfy IGC 4n1 (#1811416) — external, by shade contractor	<b>Enclosure Rating</b>	NEMA 1 (indoor)
<b>Compatible Motors</b>	Somfy Wired Technology (WT) 400, 500, and 600 series	<b>Mounting</b>	Wall mount with DIN-rail internal components
<b>Motor Output</b>	120VAC, 5A per motor, ¼ HP (at Somfy controller — external)		

## ORDERING INFORMATION

Part Number	Description
CUST - CCH - SHADE - PNL	ILC LightSync Shade Integration Panel, 3 motor groups, no field power required, NEMA 1

# WIRING DIAGRAM — CUST-CCH-SHADE-PNL

ILC LightSync Shade Integration Panel · Nuvospec · Rev 2.0 · March 2026



## INSTALLATION NOTES

1. NO FIELD POWER: Panel requires no 120VAC. LS-DCO modules draw power from ILC LightSync Local port via CAT-5e.
2. ILC CONNECTION: Run 1x CAT-5e from ILC panel Local port to PORT 4 (ILC In) on RJ45 breakout board. TIA-568B termination.
3. ZONE CONNECTIONS: Run 1x CAT-5e from each Somfy controller to matching port — Zone 1→PORT 1, Zone 2→PORT 2, Zone 3→PORT 3.
4. ALL CAT-5e IN CONDUIT per NEC. Panel is network EOL — 120Ω termination is built-in. Do not add additional termination.
5. LS-DCO ADDRESSING: Module 1 = Address 1 (Zones 1 & 2). Module 2 = Address 2 (Zone 3). Pre-set at factory — match ILC programming.
6. SOMFY CONTROLLERS at remote locations by shade contractor. Provide 120VAC (15A circuit) at each controller. Shade motors by shade contractor.