IntelaSun® System Basic Building Interface Wiring Diagram
(power supply mounted within glazing panel sill frame)
IntelaSun® System Alternate Building Interface Wiring Diagram
(power supply mounted away from glazing panel sill)

IntelaSun® Glazing Panels
Preassembled including internal wiring. Room and Sun Sensors are incorporated into the system by CPI.

28Vdc line – cable with 3x stranded wire, AWG-16, UL 1007 / 1500, up to 300’ long.

115 VOLS, 6-10A, provided to each power supply by others

Switching Power Supply 115V/28Vdc 100VA
(8” x 4” x 2”) by CPI – Can be located up to 300 feet away from the IntelaSun® Sill Frame.

CAT 5e / RJ-45 shielded cable (EIA-568B.2, UL 1581) For Communication and Power
If required use ¾” conduit from glazing panel curb to user wall controller. Conduit by others

USER’S WALL CONTROLLER
(6” x 6” x 2”) by CPI
Controller to be mounted on 4-11/16” square electrical steel box (Raco # 259 or equal). Steel box by others.
Occupyancy, Analog Louver, And E-Light Connections

Occupyancy using internal bias for AWC-25

![RJ-12 6/6 pin plug](image)

Occupyancy using internal bias (Zone Controller)

![Diagram](image)

Occupyancy using external bias (Zone Controller)

![Diagram](image)

Analog Louver Positioning Input

![Diagram](image)

E-Light Output Signal (for external dimmer)

![Diagram](image)