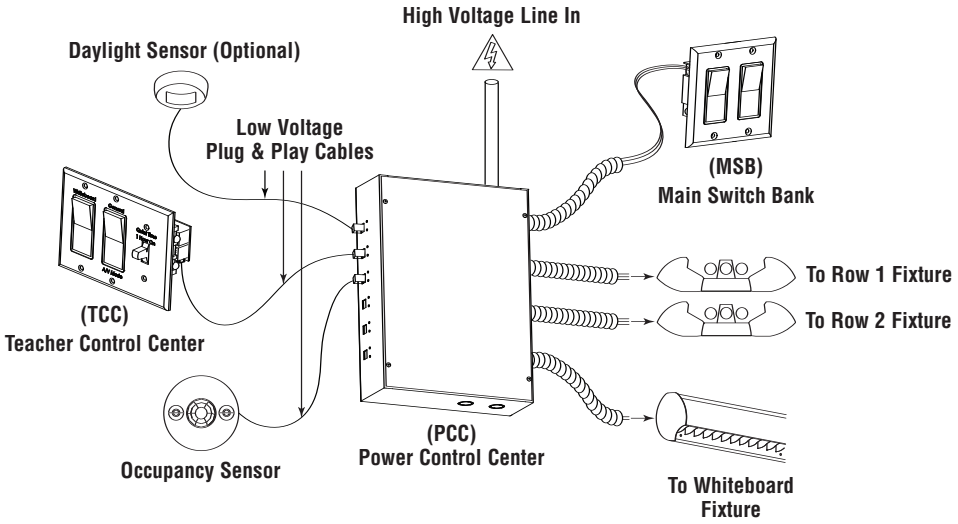
FINELITE ICLS 1.5 Power Control Center Technical Sheet

Project_____

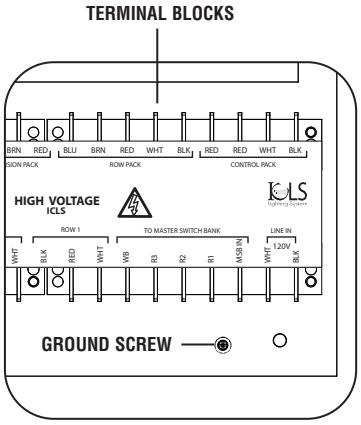
Firm Name_____

Date_____ Type_____

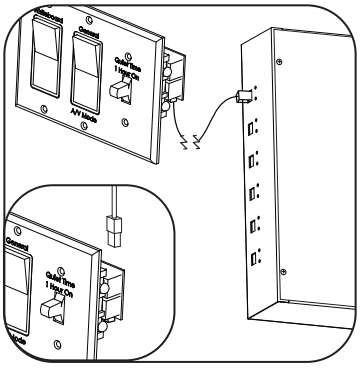
The Power Control Center (PCC) is pre-wired at the factory making installation quick and easy. The PCC takes line voltage from building power and then carries power to and communicates with ICLS components. This robust unit is constructed of heavy duty 16-gauge steel, is easy to install and maintain, and is built to last the life of the installation.



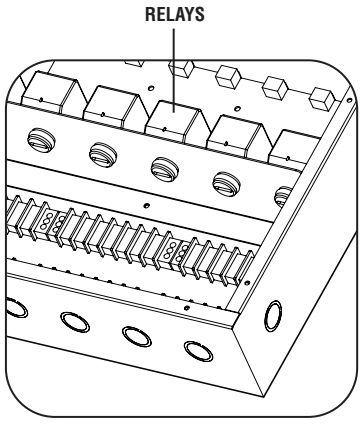
FEATURES



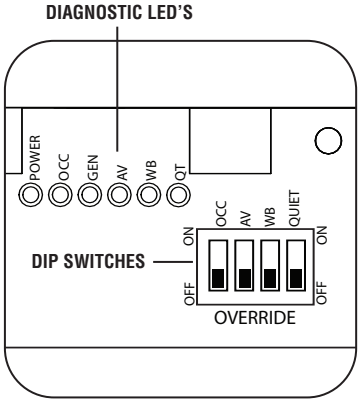
TERMINAL BLOCKS:
Building and luminaire wiring are connected using terminal blocks.



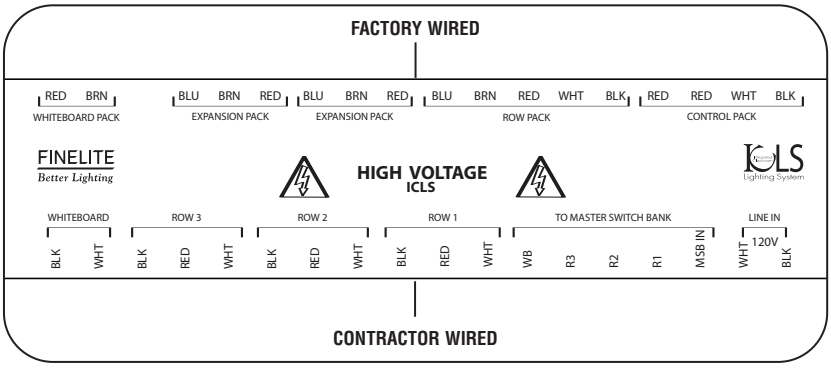
PLUG & PLAY CONNECTIONS:
Connections to teacher controls, occupancy & daylight dimming sensors are made by plenum-rated plug and play connections.



PRE-WIRED RELAYS:
Pre-wired relays are installed at the factory and undergo 100% quality control testing.



DIAGNOSTIC LED'S:
The unit is equipped with diagnostic LED's for troubleshooting.



WIRING LABEL:
Detailed wiring diagrams show each wiring connection.

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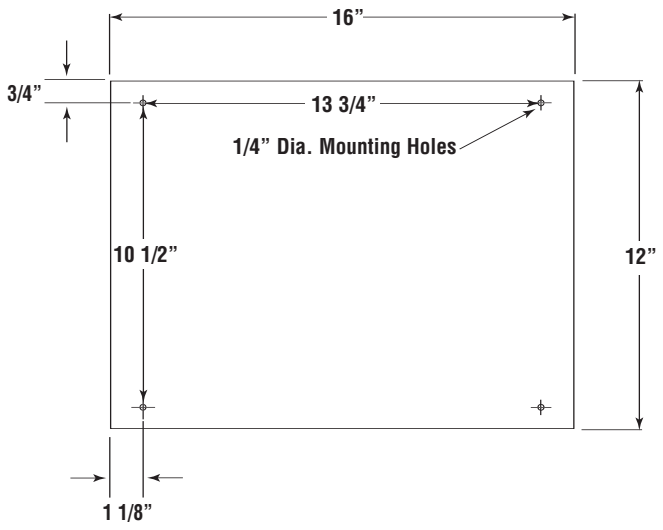
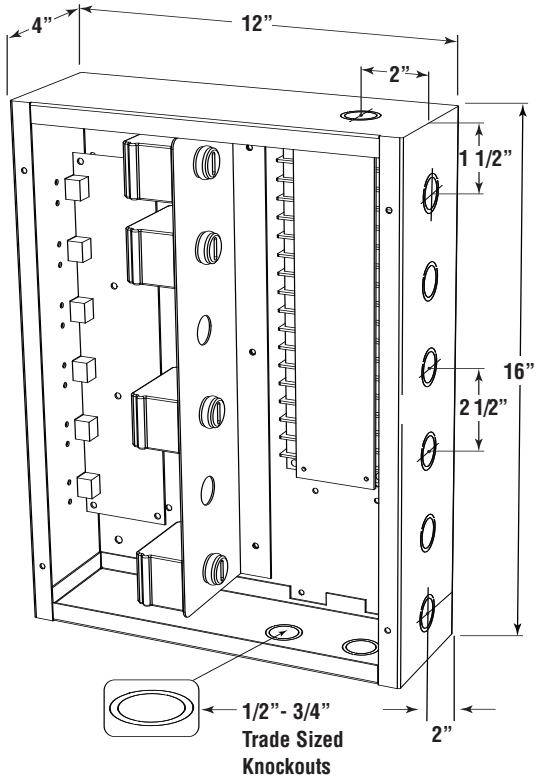
ICLS 1.5 PCC Mounting Hole Location





SPECIFICATIONS

CONSTRUCTION:
The PCC is constructed of 16-gauge cold-rolled steel. A UL-approved barrier separates the low voltage and line voltage wiring compartments. PCC cover is secured using four 10-32 x 1/2" screws. Cover features keyhole slots for ease of installation.

INSTALLATION:
The PCC includes four 1/4" mounting holes, (See dimensions above). This unit is normally mounted above the ceiling by the Main Switch Bank at the classroom entrance.

LABELING PANEL:
Complex wiring is completed at the factory and located under the labeling panel. The wiring label panel details all necessary contractor connections.

KNOCKOUTS:
Nine heavy duty knockouts accommodate 1/2" or 3/4" conduit fittings. Knockouts are located on three sides of the box spaced 2 1/2" on center.

PLUG & PLAY CONNECTIONS:
The PCC is equipped with six plug and play RJ45 low voltage wiring connections. Any component can be plugged into any plug and play connections. Plenum-rated plug and play cables are provided.

TERMINAL BLOCKS:
Two rows of double row, dual barrier terminal blocks contain factory wiring and enable contractors to make wire connections without the need for wire nuts. Current rating: 30A 300VAC. Wire Range: 10-22 AWG. UL and CUL approved.

FINISH:
PCC is finished in powder coated gloss white paint.

DIAGNOSTIC LED'S
The circuit board includes six diagnostic LED's for on-site troubleshooting.

POWER:
LED is on when unit is receiving line voltage and converting it to low voltage through one of the relays.

OCCUPANCY SENSOR (OCC):
LED is used to verify that the occupancy sensor is functioning properly. Override switches can be used to bypass the occupancy sensor to keep room lighting running while the unit is being replaced.

GENERAL MODE (GEN):
LED is used to verify that the system is properly receiving signals from the Teacher Control Center (TCC).

A/V MODE (AV):
LED is used to verify that the system is properly receiving signals from the TCC. A/V Mode can be forced on by toggling the DIP switch labeled A/V.

WHITEBOARD (WB):
LED is used to verify signals to the whiteboard luminaire (if present). The whiteboard luminaire can be forced on by toggling the DIP switch labeled "WB."

QUIET TIME (QT):
LED is used to determine whether the occupancy sensor is receiving signals from the TCC.

MODULAR RELAYS:
Modular relays come pre-wired to the PCC. Replacement of relays is made easy using one-for-one wire connections and plug-in connectors on the circuit board.

ROW CAPACITY:
The standard PCC can be specified to accommodate up to 5 luminaire rows or 4 luminaire rows with a whiteboard luminaire. Max. Amperage: 20A

ELECTRICAL:
Specify voltage. 120 or 277 VAC.

LABELS:
UL / CUL Labeled.

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