access LIGHTING

Certified for use with Inteled module system

INSTALLATION INSTRUCTIONS

784PWB ELECTRICAL CONNECTION BOX WITH SWITCH

InteLED

120v Modular LED system

IMPORTANT

Before installing your Access Lighting Inteled system, please make sure that you carefully read through these instruction sheets.
The Inteled LED system is designed to be installed as a **DIY** plug and play project with the appropriate accessories however, if the system is to be hard-wired and electrical work is involved the system requires installation by a qualified licensed electrician.

NOTE: The important safeguards and instructions that appear in this Manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense, caution and care are factors that can't be built into any product. These factors must be supplied by the person(s) caring for and operating the fixture.

GENERAL INFORMATION

Electrical connections must be in accordance with all ordinances, Local and National Electrical Codes.
The model 784PWB is designed for use with the Inteled 780/1/2/3 LED modules, to enable hard-wired connection. The 784PWB can be used as a plug-in switch box and mounting of the 784PWB can be at either end or anywhere within the LED module run.

The Inteled system is fully dimmable with ***most*** universal dimmers, however it is recommended that LV electronic dimmers are utilized to ensure full system compatibility and efficiency. Non-dimmable installations should not exceed 48ft and dimmable circuits not to exceed 24ft.
Determine if the 120v electrical supply connection to the 784PWB will be using a plug-in cord or hard-wired, the connections to the 784PWB will be similar with exception of the cable used.

DIRECT PLUG-IN

Requires UL certified 3-core whip (a cable with a three prong plug on one end and bare wires on the other) is required for this purpose (not supplied). NEC (National Electric Code) require the use of a **GFCI** rated receptacle if the system is to be used in a kitchen or damp location.

HARD WIRING

Required length of UL certified flexible conduit and 14/2 gauge with ground conductor. (Romex cable and conduit not supplied)

Before proceeding with the installation, **Disconnect the Power by switching off the Circuit Breaker. Just turning the light off at the light switch is not sufficient to prevent electrical shock.**

What is supplied	What is required
• 1 x 784PWB. • 1 x Cord/Cable clamp. • 2 x Short clamp screws. • 2 x Mounting screws. • 2 x Plastic wall plugs. • 2 x Screw caps.	• Marking pencil. • For a Plug-In system a suitable length of UL listed 3-core cord and plug. • Hard wired systems. require a suitable length. of 14/2 gauge Romex cable and flexible conduit. • Small blade screwdriver. • Star screwdriver. • Drill if necessary.

Mount the 784PWB at the predetermined location allowing for the correct spacing for the relative LED modules that will be attaching to the 784PWB switch box.

There are three positions in which the 784PWB can be mounted and this is important to determine the correct location.

a. Left hand side (**LHS**) of LED module run.
b. Right hand side (**RHS**) of LED module run.
c. Centre of the LED module run (track mounted at each side of the 784PWB)

a. Connecting the LED module from the left hand side of the 784PWB, by first inserting the supplied butt connector and attach the module (see supplied mounting instructions provided with the LED module) it is important that at the end of the module run, the terminator cap is attached covering the Male Socket so as to prevent accidental contact with the socket.

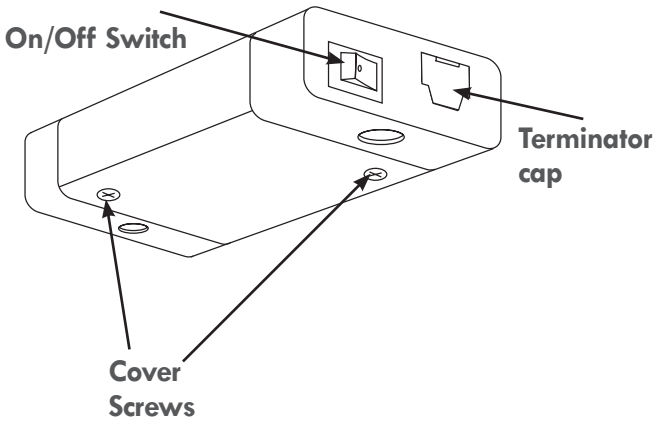
b. The connection is similar for the above with the exception that the terminator cap is not required at the end of the module run as the connecting pins are not exposed .

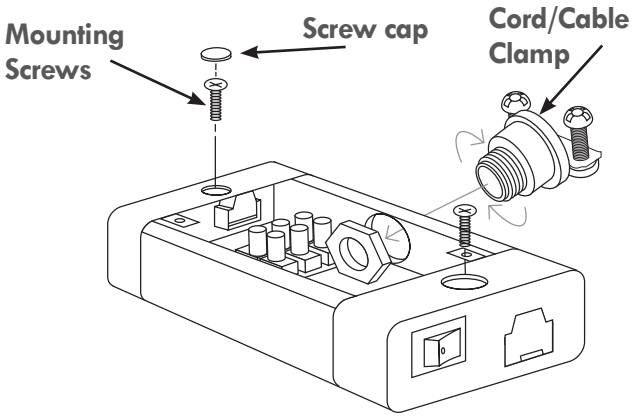
c. Connect the LED modules to either end of the 784PWB, the last module in the series with the pins from the exposed Male Socket requires that the terminator cap is attached to prevent accidental electrical contact.

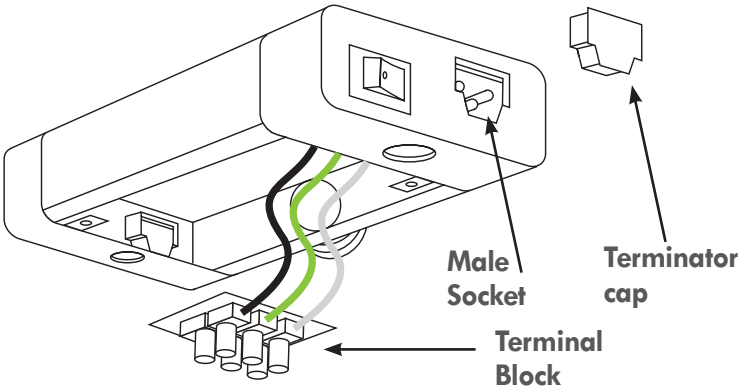
1a Remove the 2 cover screws and attach the supplied Cord/Cable clamp to the ½" hole located on the side of 784PWB, if a cord and plug is to used use replace the large clamp screws with the shorter length screws supplied.

1b Determine the location of the switch box and the direction the LED modules are to be connected.

1c Install the 784PWB by marking the 2 screw holes with a marking pencil and attach the 784PWB to the surface with supplied screws. Cover the screw holes with supplied screw caps.







2a If the 784PWB is located on the (**LHS**) of the system or centrally located between the LED modules, remove the terminator cover to expose the male socket.

2b If the 784PWB is located on the **RHS** of the system it is not nessessary to remove the terminator cover to expose the male socket, as only the female socket will be used.

2c Remove the two cover retaining screws **and** lift out the terminal block allowing for an easier wire connection.

3a Determine the wiring method, either plug-in or hard-wire. Attach the Cord or Romex cable thru the cable clamp with sufficient wire for connecting to the terminal block and tighten the clamp screws (2 lenghts provided, use the short length if the screws project past the 784PWB housing) secure the cable. Attach the wire from the cable to the appropriate terminals **L** (black) **G** (Green) **N** (white). Peel off the backing tape from the rear of the black terminal pad and secure to the base of the 784PWB. Plug the three prong plug into a **GFCI** rated receptacle if the system is to be used in a kitchen or damp location. For hard-wired systems switch the circuit breaker to the On position and electrify the circuit and your new Inteled LED system is ready for operation.