



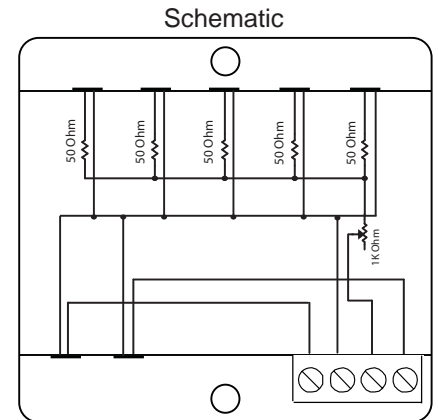
ECB-5 Connecting Block

Operation & Installation Guide

The ECB-5 IR Emitter Connecting Block provides infrared expansion when used with RTI control processors, in-wall touch panels, the CB-4 connecting block, third party infrared repeater systems, etc. It has one infrared signal input and five emitter output ports that allow the connection of up to five single or dual infrared emitters. It also has a sense input for monitoring the power status of a switched outlet, current sensor, light sensor, etc.

SPECIFICATIONS AND NOTES

- Wiring requirements: Connections using the screw down terminals on the ECB-5 phoenix connector should use a #22 AWG minimum wire or Cat5 cable using twisted pairs of wires for each connection.
- Most industry standard single or dual infrared emitters may be used.
- Emitter outputs on the ECB-5 have an adjustable 50ohm-1Kohm series resistance for setting the signal strength.
- A power supply is NOT required for the ECB-5 to function. The power connection is only for supplying power to control processors, touch panels, etc



INSTALLATION OPTIONS

Infrared Expansion

- 1) Connect a wire (#22 AWG minimum or Cat5 maintaining twisted pairs) from the infrared output SIGNAL and GROUND on the control processor, in-wall touch panel, CB-4 or infrared receiver to the ECB-5 SIGNAL and GROUND inputs.
- 2) Plug in up to 5 single or dual infrared emitters into the Emitter Output ports.
- 3) Use the IR Output Level to adjust the strength of the signal sent to the emitters.

Power an RP1

It is possible to deliver power from the ECB-5 to an RP-1 that does not have an AC wall outlet near by.

- 1) Connect a wire (#22 AWG minimum or Cat5 maintaining twisted pairs) to the +12V DC and GROUND on the ECB-5 to the +12V DC and GROUND on the RP-1.
- 2) Plug the RP-1 12V power supply into the PWR jack on the ECB-5.

Power Sensing

It is possible to pass voltage through the ECB-5 from a wall transformer or current sensor to an RP-1, CB-4 or in-wall touch panel for power status.

- 1) Plug the wall transformer or current sensor into the SENSE jack on the ECB-5.
- 2) Connect a wire (#22 AWG minimum or Cat5 maintaining twisted pairs) from the ECB-5 SENSE and GROUND outputs to the:
 - RP-1 - SENSE and GROUND inputs.
 - or -
 - CB-4 - PWR STATUS or AUX STATUS and GROUND inputs.
 - or -
 - RTI In-wall Touch Panel - PWR STATUS or AUX STATUS and GROUND inputs.

