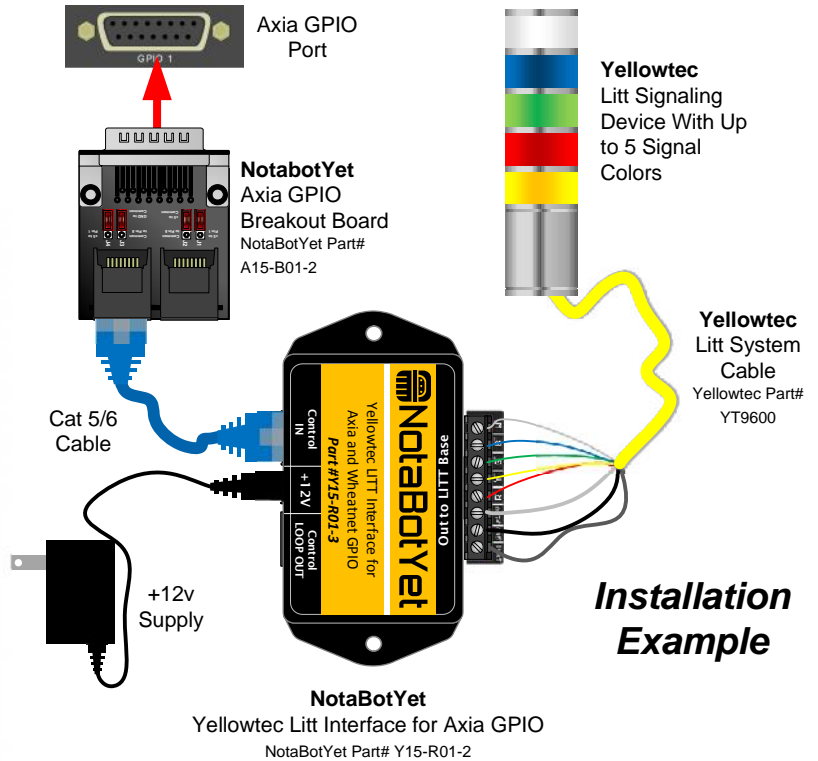




Yellowtec Litt Interface for Axia GPIO and Wheatnet Logic
Part #Y15-R01-3



Purpose: The NotabotYet *Yellowtec Litt Interface* was designed to make the installation of Yellowtec Litt Signaling Devices simpler and faster. Because the Axia GPIO Port outputs are active low, and the Litt Signaling Device inputs are active high, interfacing the two is not as straight forward as plugging one into the other. Wheatnet Logic ports can be configured for active high, but still require some “finagling” to physically connect to the Litt. The NotabotYet *Yellowtec Litt Interface* solves this issue by employing transistor inverter circuitry to both invert the active low GPO Logic signal from Axia or Wheatnet and convert it to an active high 12V control signal for the Yellowtec Litt device.

While you could use one of our NotabotYet Relay boards for Axia or Wheatnet to control the Yellowtec Litt, this interface provide quick and easy connections for logic, power, and the Litt device itself. The Litt Interface board is designed specifically for the Litt System Cable and the 10 Position screw terminal strip is labeled to match. The interface also provides a convenient 2.1mm input jack for a 12 volt power supply to be used to power the Litt Device.

Inputs: Input to the board is a standard RJ-45 connector. The pinouts of this connector match the RJ-45 connectors on our NotabotYet Axia GPIO Breakout Board (Part #A15-B01-2) or the RJ-45 connectors on any Wheatnet Logic port. However, if your plant is not using Axia or Wheatnet, any type of relay or open collector device that provides a closure to ground to trigger inputs can be made to work with the device. Just match the input pinouts! A “Control Loop Out” connector provides passive pass through of control signals in case you do not need all 5 for the LITT and want to use them for another device.

Output: The outputs of the device are on a 8 position screw terminal strip and are labeled to match the Litt System Cable conductors. It is highly recommended to use the Litt System Cable (Yellowtec Part# YT9600) with this unit.

| RJ45 Control IN Pinout: | |
|---------------------------|---------------------------------|
| Pin Number / EIA/TIA 568B | Wire Color (Ground to Activate) |
| 1 GND | Org/W |
| 2 In 1 (Litt RED) | Org |
| 3 In 2 (Litt YELLOW) | Grn/W |
| 4 In 3 (Litt GREEN) | Blu |
| 5 In 4 (Litt BLUE) | Blu/W |
| 6 In 5 (Litt WHITE) | Grn |
| 7 No Connection | Brn/W |
| 8 No Connection | Brn |

| RJ45 Control LOOP OUT Pinout: | |
|-------------------------------|------------|
| Pin Number / EIA/TIA 568B | Wire Color |
| 1 GND | Org/W |
| 2 In 1 (Litt RED) | Org |
| 3 In 2 (Litt YELLOW) | Grn/W |
| 4 In 3 (Litt GREEN) | Blu |
| 5 In 4 (Litt BLUE) | Blu/W |
| 6 In 5 (Litt WHITE) | Grn |
| 7 No Connection | Brn/W |
| 8 No Connection | Brn |

| Out to LITT Base Pinout (TB Strip): | |
|-------------------------------------|-----------------------------|
| 1 CGnd | Connect Litt Cable to These |
| 2 GND | |
| 3 +12V | |
| 4 Red | |
| 5 Yellow | |
| 6 Green | |
| 7 Blue | |
| 8 White | |