POPP**CLAMP**
QUICK START GUIDE

As many as six tools can be learned by the receiver. Tool IDs are stored in a First-In-First-Out manner, and each tool is designated a letter (A-F). The most recent tool learned will become Tool A, and Tool F will be forced out by Tool E.

To clear all tools from memory, cycle the key switch from LOCK to PROG three times within 10 seconds. You will hear four short beeps to confirm that the tool IDs have been erased.

When the tool is in use and a clamp is detected, you will hear a double beep from the receiver, the green ACCEPT LED will light for 5 seconds, and the Signal LED will light green, orange, or red, according to the strength of the radio signal. Also, Relay 1 (or the assigned relay) will close for 200ms (or the time specified in the settings).

If your tool has a button, it can be used to manually send a signal to the receiver to close Relay 2. The button can also be assigned to Relay 1 with the software application. This signal can be used to manually buy off on a clamp that was missed by the tool, or used for additional functionality. The software can be used to control when the button is enabled, and how long the button must be depressed before it will send the signal.

The POPP Clamp Device Programmer application can be used to adjust the relay settings, radio channel, tool sensitivity, and more. Connect to the receiver using a standard 9-pin serial cable.
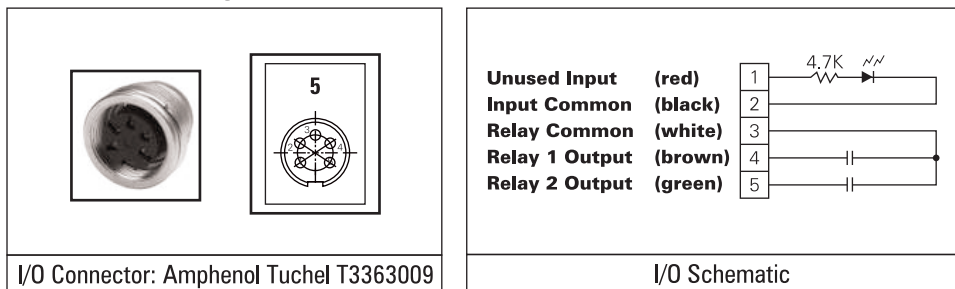
TO GET STARTED:
Before using the POPP Clamp tool, you must establish a connection to the receiver.

1 **Connect power to the receiver, and press the power switch (A) to the ON position.** After three short beeps, the blue Power indicator will be on solid and the Signal indicator will be red.
2 **Turn the key (D) to the PROG position.** You will hear one short beep, and the Power indicator will begin to flash.
3 **Install two AA batteries in the tool (E).** If your tool has an ON/OFF switch on the side, slide the switch forward using a pen or small screwdriver. The tool will take a few seconds to initialize and scan for the receiver. **Do not touch the end effector during this time.** When the connection is made, you will hear four short beeps and the green Accept indicator will light up.
4 Turn the key (D) back to the LOCK position. The tool is now ready for use. You only need to follow these steps once for each tool.

Connection Diagrams:

Unused Input	(red)	1
Input Common	(black)	2
Relay Common	(white)	3
Relay 1 Output	(brown)	4
Relay 2 Output	(green)	5

4.7K

I/O Connector: Amphenol Tuchel T3363009 | I/O Schematic

Input and Output Specifications:

Power	100 - 240VAC 50/60Hz 0.12 - 0.08A Cord to be used should be UL listed hard service or junior hard service type, rated 10A, 250V
Relays	DryContact Setup 5A max 30VAC 30VDC max general purpose
Opto-Isolated Inputs	24VDC Input (recommended) 30VDC (maximum), 12VDC (minimum) 60mA (max) 20mA (recommended) 4.7Kohm impedance