

**Function**

The Out of Service Box is a device that remotely measures the recovery speed of a cellular device after shielding it from established communication.

**Safety Information**

**ONLY QUALIFIED PERSONNEL** should install, operate, or service this equipment.

**HIGH VOLTAGE RISK OF ELECTRIC SHOCK:**

Indicates presence of hazardous voltage. Unsafe practice could result in severe personal injury or death. Disconnect power before servicing. Make all electrical and grounded connections in accordance with the National Electrical Code (NEC) and any applicable local code requirements.

Two-hand button operation required for raising lid to ensure all hands are clear from moving mechanism. Always stay clear of moving machinery to avoid possible injury.

For complete safety information, see the *Product Information Bulletin*.



**Product Information Bulletin**

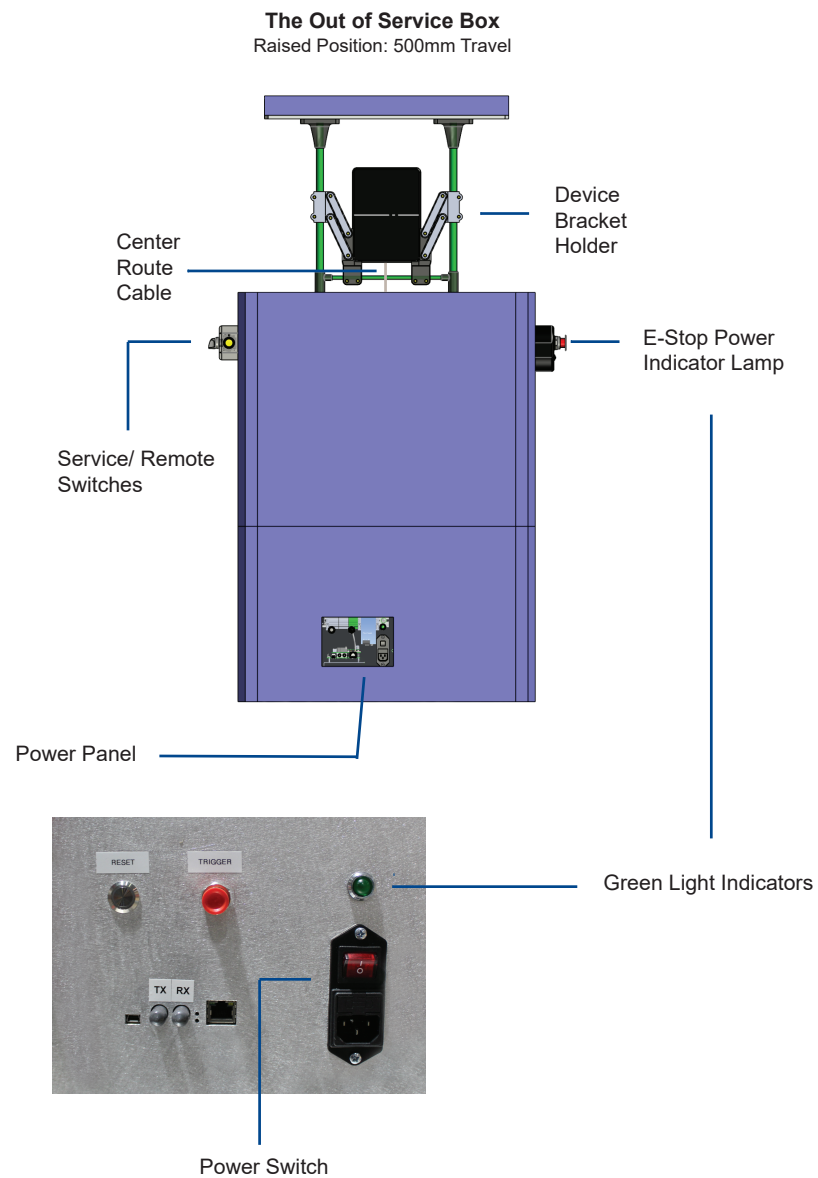
See the **ETS-Lindgren Information Bulletin with your shipment for the following:**

- Safety, regulatory, and other product marking information
- Steps to receive your shipment
- Steps to return a component for service
- ETS-Lindgren Calibration Service
- ETS-Lindgren Contact Information



**Note:** ETS-Lindgren may substitute a similar part with the same functionality for another part.

**Overview:**



**Connections:**

- Cable Carrier: Hookup cables to device (Center Route Cable)
- Power Panel: Plugs into power source

**Light Indicators:**

- Powered ON
- Powered OFF - E-Stop

An Emergency Stop (E-Stop) freezes everything in place to stop movement. This will prevent any closing or opening. Note momentary delay.

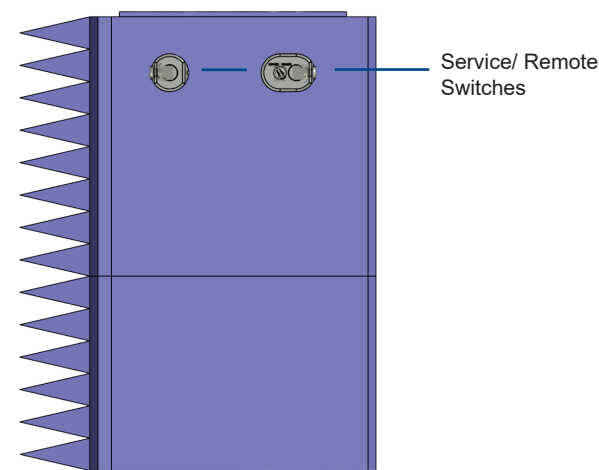
An E-stop will show no light on the indicator.

**Service and Remote Switches:**

Options for both Service and Remote access are available. Switch to either based on testing needs. For further instruction, read Operation section located to far right.

**Service:** Local use such as inserting or removing a device for testing.

**Remote:** Remote control use during testing.



**Remote Control & Commands:**

For information regarding commands, visit this IP address: 192.168.0.100

Machine will need commands to open, close, and home.

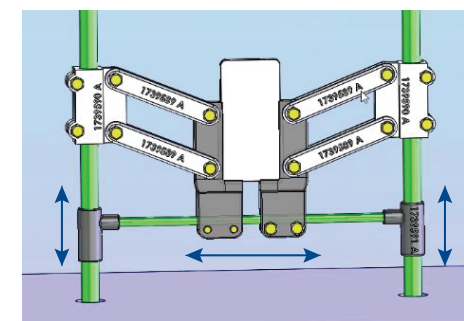
Machine will not work without power and cannot be manually/mechanically moved when powered down. It will remain in its lowered or raised position.

Machine must always be rehomed when powered back on. This includes brief power outages.

**Bracket Holder:**

To adjust brackets to cellular device size—

1. Loosen inner M8 bolts (yellow below) to adjust the centerline and width between brackets to securely hold cellular device. Brackets will swing outward.
2. Retighten M8 bolts once device fits.



Only loosen M8 bolts closer to center. Avoid outer two bolts on each side.

**Operation (DUT):**

Before beginning, inspect the area to ensure all cables or other obstructions are removed and clear of the mechanism.

**Starting from Lowered Position:**

- A. Move the switch from Remote to Service. Remote operation will now be deactivated.
- B. Press and hold the two service/remote switch buttons on the machine to lift lid. Continue holding buttons until lid is raised to maximum height.

The machine is now in a safe mode which allows access to the DUT.

**Starting from Raised Position:**

- A. Move the switch from Remote to Service. Remote operation will now be deactivated.

The machine is now in a safe mode which allows access to the DUT.

**Accessing the DUT:**

1. Keep service/remote switch in the service position and in safe mode.
2. Remove or secure device within brackets based on testing needs.
3. Press and hold the two service/remote switch buttons on the machine to lower the DUT carrier/lid. Lower lid until shielded enclosure is completely shut.
5. Change the local/remote switch back to the remote position.

Remote operation is now activated.