01

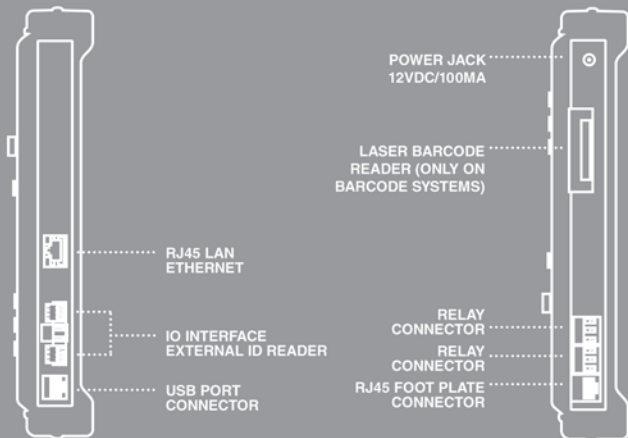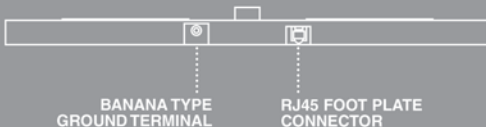## /Quick
Start
Wiring

BOTRON

GETTING TO KNOW YOUR ELITE

This guide shows you how to assemble and wire your ELITE Test System, and gets you ready for everyday use. Once you have selected the perfect place to install your test system please refer to the accompanying Quick Start Guides; 02 Quick Start Web UI and 03 ELITE Data Systems to finish your setup.

TOP OF ELITE

BOTTOM OF ELITE

RJ45 LAN ETHERNET

IO INTERFACE EXTERNAL ID READER

USB PORT CONNECTOR

POWER JACK 12VDC/100MA

LASER BARCODE READER (ONLY ON BARCODE SYSTEMS)

RELAY CONNECTOR

RELAY CONNECTOR

RJ45 FOOT PLATE CONNECTOR

BACK OF FOOTPLATE

BANANA TYPE GROUND TERMINAL

RJ45 FOOT PLATE CONNECTOR

TOOLS OF THE TRADE

For your reference we have included an illustrated list of all components to help aid with the installation of your ELITE Test System.

SCREW A

SCREW B

TERMINAL

ETHERNET

BANANA
JACK

USB

GROUND
CORD

DC OUTPUT

POWER
SUPPLY

MOUNT YOUR WALL PLATE

Step 1. Install 4 (A) screws through the back of the Wall Plate and into the ELITE Tester.

Step 2. Install 4 (B) screws through the Wall Plate onto desired wall location (recommended 4 feet from floor) with a clear area below for a footplate.
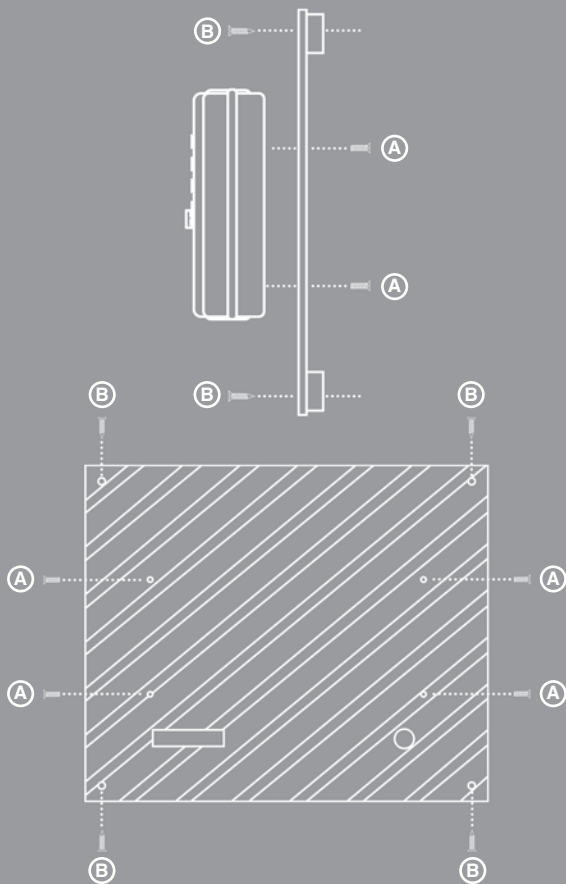
WIRING YOUR WALL PLATE

As you will notice, the wall plate comes with pre-cut wire channels for cable management.

Step 1. Using the wire channels, connect the DC Output and RJ45 cable to their respective ports on the bottom of the ELITE Tester.

Step 2. Connect the other end of RJ45 cable to the footplate.

Step 3. Grounding Your Footplate
3.1 Using the supplied Ground Cord, insert the banana plug into the footplate.
3.2 Connect the ring terminal for the footplate ground to a known good ground connection.

Step 4. Once you have connected your cables and wires, plug in the ELITE Tester Power Supply (the ELITE will automatically turn on).
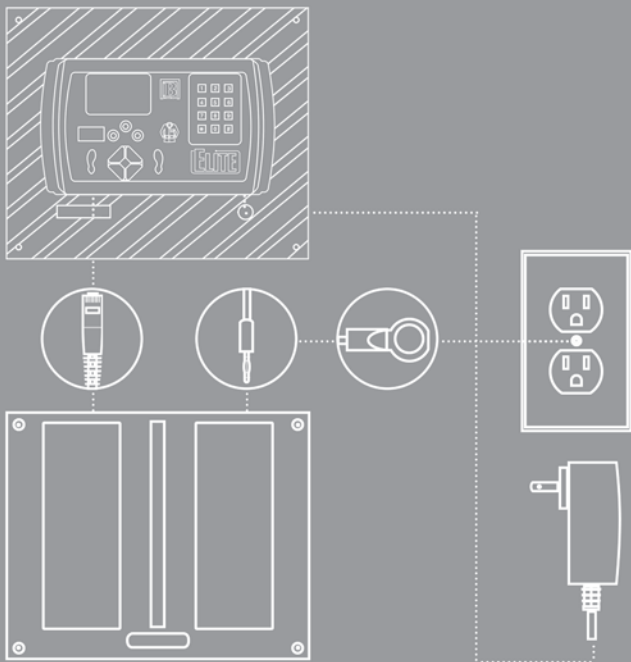
MOUNT YOUR FOOT PLATE

The ELITE footplate comes with 4 pre-drilled holes on the underside to securely mount the test stand pole to the footplate.

Step 1. Lay the test stand pole on its back with the footplate mounting bracket pointing upwards.

Step 2. Mount the footplate to the test stand pole using 4 (A) screws into the underside of the footplate.

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WIRING YOUR FOOT PLATE

Once you have completed the previous section (Mount Your Footplate):

Step 1. Feed the RJ45 Cable and DC Output from the Power Supply through the bottom rear opening of the Test Stand Pole. Pull the cables through the pole and out the top rear opening.

Step 2. Connect the RJ45 Cable and Ground Cord to the footplate.

Step 3. Connect the ring terminal of the Ground Cord to a known good ground.

Step 4. Connect the DC Output and RJ45 Cable into the bottom of the ELITE tester.

Step 5. Connect the Power Supply into a 120V AC outlet.

CONNECT TO YOUR NETWORK

Follow the diagram for the best suited network connection type.

(A) Direct USB Connection - Firmware Updating
Connect from the ELITE using the USB cable to an available USB port on a PC.
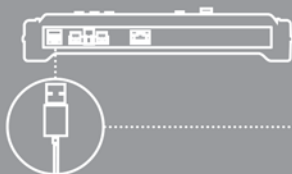
(B) Direct Ethernet Connection - Data Communications
Connect from the ELITE using the Ethernet cable to an available Ethernet port on a PC.
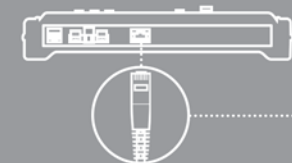
(C) Ethernet Network Connection - Data Communications
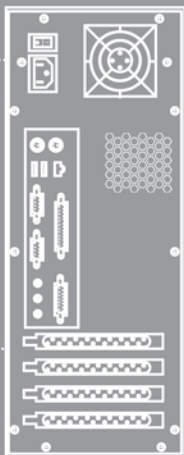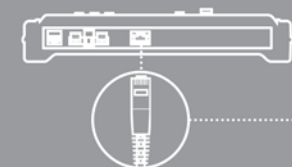Connect from the ELITE using the Ethernet cable to an available Ethernet port on a router.

CONNECT TO YOUR RELAYS

There are two relays, A & B, on the bottom of the ELITE Tester. Each relay has 3 inputs; Normally Open (NO), Common (C), and Normally Closed (NC). How you wire to your ELITE depends on the type of switch on your external device. Once you have determined the type of switch, follow the illustration for connection procedure.

A is triggered on an entry event (passing test result), acting as a switch to control outside gates, such as doors, light towers, and turnstiles upon a passing test result.

B is commonly used for exiting, when access is controlled by the ELITE Test System. It works in conjunction with external I/O devices connected to the tester such as ID readers and IR exit switches.

B can also be set to mirror Relay A and switch a second device upon an entry event.

Relay A ···· Relay B

NO C NC

Normally Open

Normally Closed

Gate
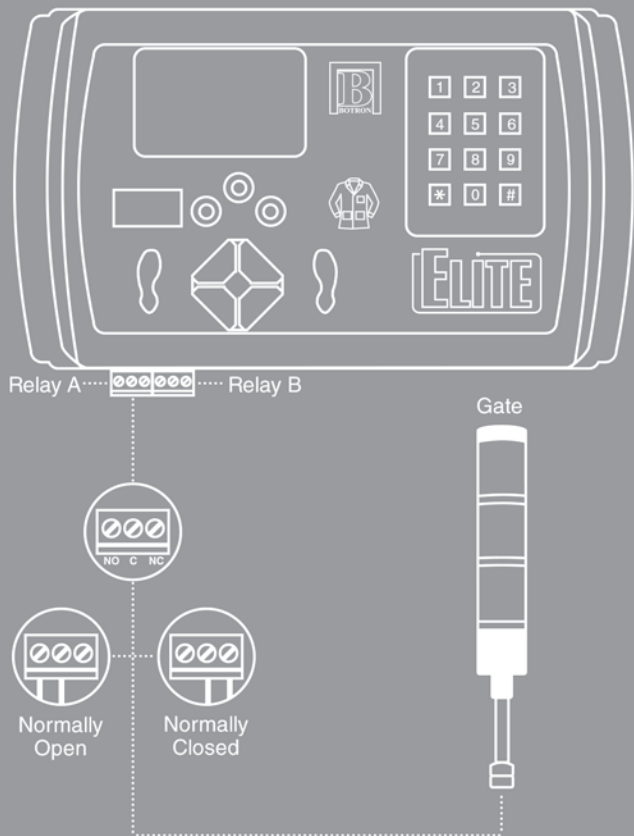
AN IMPORTANT NOTE
Please read this document and check that your system is set up carefully
before you first use your ELITE Test System.

LEARN MORE
You can find more information and learn even more about ELITE features at
www.botron.com/elite.

SUPPORT
Your ELITE comes with 90 days of technical support and one year of
hardware repair warranty coverage. For more information please contact:

Phone: 1-623-582-6700
email: elitesupport@botron.com

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C O M P A N Y   I N C.