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BULLEX  
“INTELLIGENT  
TRAINING SYSTEM”  
HANDBOOK



This booklet contains information on the setup and operation of the BullEx Fire Extinguisher Intelligent Training System (I.T.S.)

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### NOTES

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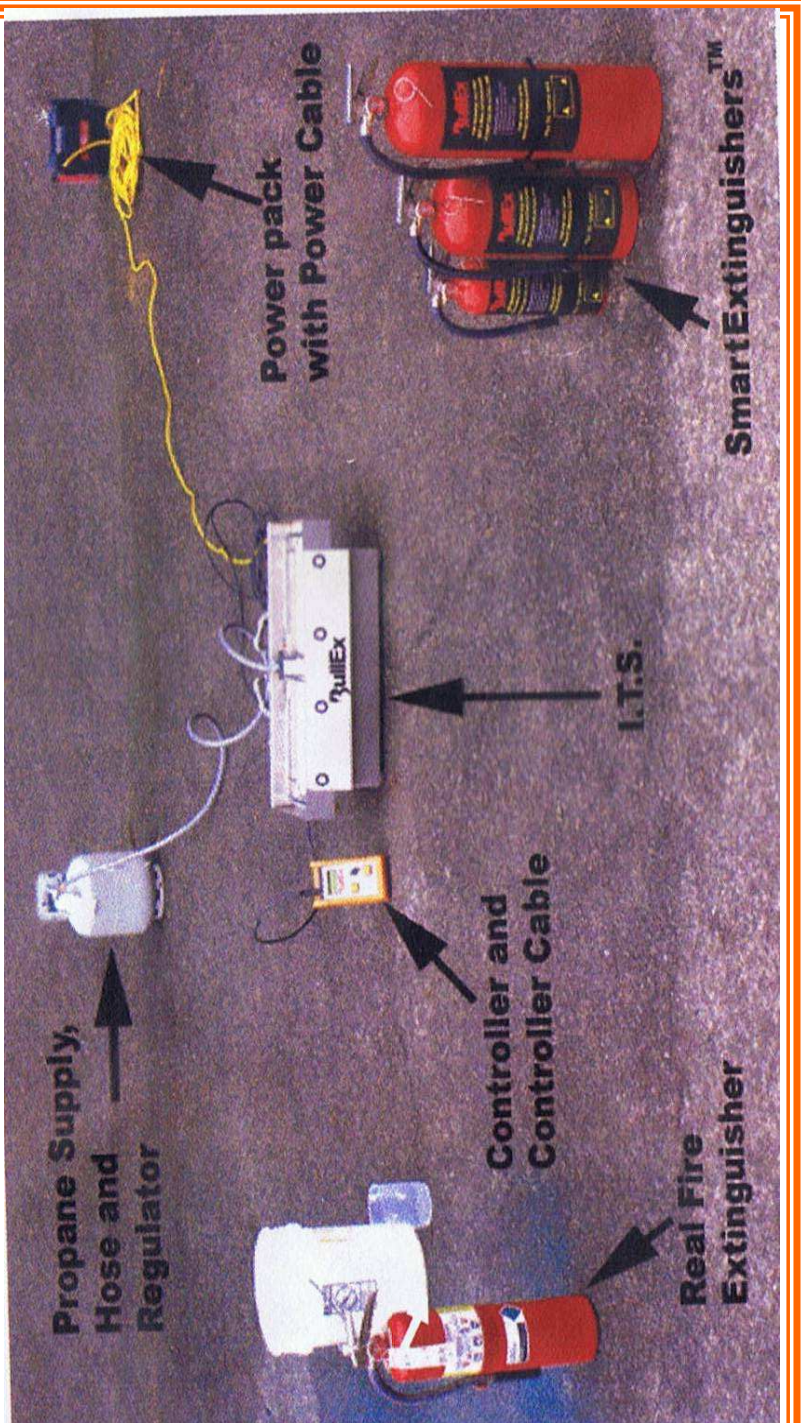
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## BULLEX LAY-OUT EXAMPLE



## BULLEX CHECK LIST

The following items are required to use the BullEx training system:

- ✓ BullEx Propane Fire Tray
- ✓ BullEx Water Fire Extinguisher (5X – 2)
- ✓ BullEx Water Fire Extinguisher (7X – 1)
- ✓ BullEx Control Cables and Propane Hose
- ✓ Air Compressor w/air hose and air chuck. (120v)
- ✓ Propane Tank
- ✓ Extension Cord
- ✓ 12volt power source
- ✓ Water hose
- ✓ Fill Bucket (aid to filling extinguishers)
- ✓ Towels for clean up
- ✓ Power Generator (if 120volt power source is not available)
- ✓ Gasoline (for generator)

## SET-UP

Prior to initializing the training system the following steps must have been completed in the order shown.

1. Place the I.T.S. base unit in an open area away from all combustible materials.
2. Place the propane tank between 8-10 behind the I.T.S. base unit. Ensure tank valve is closed completely.
3. Connect black control cable from the BullEx fire box to the handheld controller.
4. Connect yellow power cable to the BullEx fire box and run to a 12 volt power source. (Do not connect to power source )
5. Propane Gas Hose connected to propane tank and the BullEx fire box.
6. Fill I.T.S. Burn Box with water to overflow cut-out (roughly 2 gallons).
7. Level Base using overflow cut-outs.
8. Check for leaks.

7. Thread the propane fitting into the cylinder (regulator side). Tighten the connection until snug. (See Figure 3)



Figure 3

8. Connect the quick disconnect end of the propane hose to the quick disconnect propane inlet on the plug. Push it forward until a click is heard. (See Figure 4)



Figure 4

9. Slowly open the valve on the propane cylinder.
10. Fill I.T.S. Burn Box with water
11. Plug the male end of the yellow power cable into a 12 volt receptacle (A vehicle's 12V cigarette lighter or 12V power pack may be used- See I.T.S. Accessories Specifications.  
**Warning: Do not use a power inverter!**

## I.T.S. CONNECTIONS

1. Plug the male end of the controller cable (black cable) into the appropriate connector on the rear of the I.T.S. base unit. (See Figure 1)



Figure 1

2. Plug the female end of the controller cable to the rear of the I.T.S. into the connector on the Handheld Controller.

3. Attach the power cable (yellow cable) to the rear of the I.T.S. base unit by lining up the guide marks on the inside of the plug and screwing the connector together. (See figure 2)

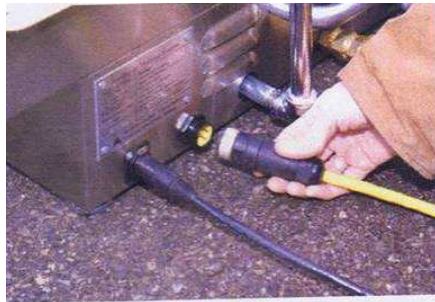


Figure 2

4. Place the propane cylinder 8-10 ft. behind the I.T.S. base unit.
5. Locate the gas hose in a safe position; locate the hose out of the pathways where people may trip over it or in the areas where the hose may be subject to accidental damage.
6. Ensure the valve on the propane cylinder is closed completely.

## INITIALIZING I.T.S.

When the previous instruction have been completed , connect the yellow cable to the power source. The control unit display will read:

- *“Have you read the manual?”*

1. Turn the training level control switch to “FULL”.

- **Press START Button**

2. Turn the training level control switch to LEVEL “A”.

- **Press START Button**

3. This will activate the system and the handheld controller will display

- **“Level 2 Estop”**

4. I.T.S. is now ready for use.

5. Push and hold down “IGNITION” button.

- Electrode will start sparking (clicking) and pilot will ignite (This may require several attempts in order to purge air from gas line)

## **SETTING THE DIFFICULTY**

1. Release all buttons on the handheld controller.
2. Press and hold down the START/STOP BUTTON.
3. After 3 seconds the level of difficulty will be displayed on the LCD screen.
4. While holding down the START/STO button, use the selector knob to change the difficulty level. There are four classes of difficulty (1-4) with 4 being the most difficult.
5. Release the START/STOP button. The level is now displayed on the LCD screen.

## **SETTING THE CLASS OF FIRE**

1. The class of fire can be set by moving the selector knob to either A,B.C or Full.
2. The class of fire is determined by the position of the selector knob when the START/STOP button is pushed to start a training cycle.

## **FILLING AND PRESSURINGS TANKS**

- **5X Smart Extinguisher**
  - Fill with 4 liters of water
  - Pressurize to 100 psi with compressed air.
  - Stand 8ft from the front of I.T.S. when using.
  - Discharges approx. 5 times before requiring a refill and pressurizing.
  
- **7X Smart Extinguisher**
  - Fill with 6 liters of water
  - Pressurize to 100psi with compressed air
  
  - Stand 8ft from the front of I.T.S. when using.
  - Discharges approx. 7 times before requiring a refill and pressurizing