

***TRU-REMOTE*** INDUSTRIAL WELDING EQUIPMENT LTD.  
WORLDWIDE PATENTS PENDING

WIRELESS WELDING MACHINE REMOTES

**OWNER'S MANUAL**

**MODEL TYPES: TR8**

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## **SECTION ONE**

### **General Specifications Models TR8**

#### **Transmitter Specifications:**

- 1. Structure: glass fibre**
- 2. Operating temperature: -30°C to +70°C**
- 3. ID code: 32 bit.**
- 4. Hamming distance  $\geq 4$**
- 5. Weight 130g (w/o batteries)**
- 6. 2 x AA size alkaline batteries**
- 7. Push button jam detector**
- 8. Normal power consumption – 15mA**
- 9. Modulation: FM**
- 10. Error free hamming code technology**

## **SECTION TWO**

### **Receiver Specifications:**

1.     **Structure: glass fibre**
2.     **Operating temperature: -30°C to +70°C**
3.     **Weight: 695g (w/o cable)**
4.     **Size: 167mm x 154mm x 65mm**
5.     **Power supply 12 – 24 Volts DC**
6.     **Sensitivity: 105dBm**
7.     **Shock resistant**
8.     **20 amp rated output relays**

## **SECTION THREE**

### **Scope of Supply**

**Standard unit consists of the following:**

- 1. One transmitter unit – batteries not included**
- 2. One transmitter unit carrying strap**
- 3. One receiver box unit complete with 1.8 meter of 20 Amp rated cable and one cable strain relief connector.**
- 4. One 75 mm antenna**
- 5. One Owner's Manual**

## **SECTION FOUR**

### **Operation:**

- 1. Verify correct wiring procedure of receiver wiring according to welding machine model.**
- 2. Install 2 fresh AA batteries in transmitter.**
- 3. Push start button to turn on receiver.**
- 4. For TR8 models; please note that for diesel or gas driven engines using a TR8 remote transmitter it is necessary to push the GP/C push button before trying to start the engine. This push button electronically engages the glow plugs or choke for a preset time (factory set at 10 seconds). After 10 seconds press the start push button.**
- 5. Once welding machine is running, push increase button to increase amperage – push and hold to rapidly increase amperage setting.**
- 6. Once welding machine is running, push decrease button to decrease amperage – push and hold to rapidly decrease amperage setting.**
- 7. Push stop button to shut down welding machine and radio system.**

## **SECTION FIVE**

### **Trouble Shooting:**

- ♦ Do not drop the transmitter or damage to the encoder board may occur. Should you drop your transmitter causing it to no longer operate, contact your nearest *Tru-Remote* distributor.
- ♦ Although your *Tru-Remote* transmitter is designed for outdoor use, it is not designed to be left lying unprotected in adverse weather conditions such as rain, snow etc. Failure to store the transmitter properly may cause corrosion problems due to moisture build-up.
- ♦ If the transmitter range decreases, check battery signal strength on the display. New batteries will provide maximum signal and range.
- ♦ If the liquid crystal display stops functioning, check the batteries. If batteries are fine, contact your nearest *Tru-Remote* distributor for service.
- ♦ If transmitter indicates that the welding machine is in “run” mode but you cannot strike on arc, check to ensure that the welding machine is actually running. Check to ensure that the receiver unit is turned on and receiving power. There is a green light mounted on the receiver unit that when lit indicates that power is being fed to the receiver unit.
- ♦ If receiver unit will not power up check for loose wires and make sure that 12 volts DC is being fed to the receiver unit. If there is 12 volts DC active in the receiver but no functions operating; check for a blown fuse. If there is 12 volts DC power and fuses are fine, contact your nearest *Tru-Remote* distributor for service.

# ***Tru-Remote*** INDUSTRIAL WELDING EQUIPMENT LTD.

## **WARRANTY**

**LIMITED WARRANTY** – Subject to the terms and conditions below, ***Tru-Remote*** Industrial Welding Equipment Ltd., warrants to its original retail purchaser that new ***Tru-Remote*** equipment sold after the effective date of this limited warranty is free of defects in material and workmanship at the time it is shipped by ***Tru-Remote***. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

### **New Equipment:**

The warranty period for complete ***Tru-Remote*** radio systems is twelve months from date of installation or eighteen months from date of shipment, whichever is earlier.

### **Parts and Service:**

The warranty period for parts and labor, including replacement transmitters, is ninety days only.

***Tru-Remote*** PRODUCTS ARE INTENDED FOR PURCHASE AND USE BY COMMERCIAL/INDUSTRIAL USERS AND PERSONS TRAINED AND EXPERIENCED IN THE USE AND MAINTENANCE OF WELDING EQUIPMENT.

This warranty does not include consumptive parts such as batteries, fuses, push buttons or relays. In addition, this warranty does not cover problems caused by improper installation, improper operation or unauthorized modifications.

In the event of a warranty claim covered by this warranty, the exclusive remedies shall be, at ***Tru-Remote's*** option (1) repair, or (2) replacement; or, where authorized in writing by ***Tru-Remote*** in appropriate cases, (3) the reasonable cost of repair or replacement at an authorized ***Tru-Remote*** service facility; or (4) payment of or credit for the purchase price (less reasonable depreciation based on time in service) upon return of the goods at customer's risk and expense. ***Tru-Remote's*** option of repair or replacement will be F.O.B., factory at Surrey, B.C., or F.O.B. at a ***Tru-Remote*** authorized service facility as determined by ***Tru-Remote***. Therefore no compensation or reimbursement for transportation costs of any kind will be allowed.

***Tru-Remote*** shall not be liable for any direct, indirect, special, incidental or consequential damages.

### **Warranty Questions?**

In Canada or U.S.A. call **1-800-883-1814** for your local ***Tru-Remote*** distributor.



## FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.
- (3) Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### IMPORTANT NOTE

#### FCC Radiation Exposure Statement:

**This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.**

## Industry Canada Notice

Operation is subject to the following two conditions: (1) this device may not cause interference and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

### Industry Canada Caution

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'IndustrieCanada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.