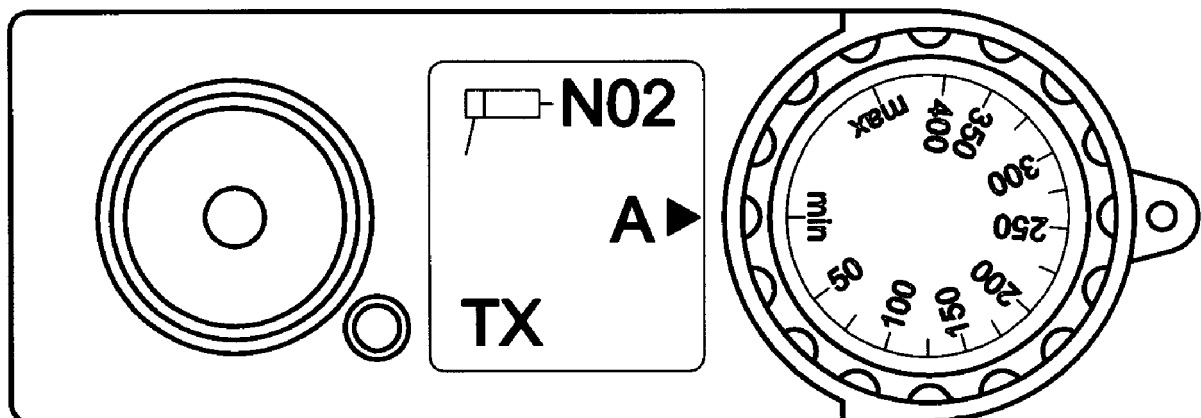


# N02

*Remote control transmitter*



**Instruction manual**

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## 1 DIRECTIVE

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### DECLARATION OF CONFORMITY

ESAB AB, Welding Equipment, SE-695 81 Laxå, Sweden, gives its unreserved guarantee that remote control transmitter N02 from serial number 536 is constructed and tested in compliance with the standard EN 60974-1 and EN 60974-10 in accordance with the requirements of directive (2006/95/EC) and (2004/108/EEC).

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Laxå 2008-05-20



Kent Eimbrodt  
Global Director  
Equipment and Automation

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## 2 SAFETY

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Users of ESAB welding equipment have the ultimate responsibility for ensuring that anyone who works on or near the equipment observes all the relevant safety precautions. Safety precautions must meet the requirements that apply to this type of welding equipment. The following recommendations should be observed in addition to the standard regulations that apply to the workplace.

All work must be carried out by trained personnel well-acquainted with the operation of the welding equipment. Incorrect operation of the equipment may lead to hazardous situations which can result in injury to the operator and damage to the equipment.

1. Anyone who uses the welding equipment must be familiar with:
  - its operation
  - location of emergency stops
  - its function
  - relevant safety precautions
  - welding
2. The operator must ensure that:
  - no unauthorised person is stationed within the working area of the equipment when it is started up.
  - no-one is unprotected when the arc is struck
3. The workplace must:
  - be suitable for the purpose
  - be free from draughts
4. Personal safety equipment
  - Always wear recommended personal safety equipment, such as safety glasses, flame-proof clothing, safety gloves.
  - Do not wear loose-fitting items, such as scarves, bracelets, rings, etc., which could become trapped or cause burns.
5. General precautions
  - Make sure the return cable is connected securely.
  - Work on high voltage equipment **may only be carried out by a qualified electrician.**
  - Appropriate fire extinguishing equipment must be clearly marked and close at hand.
  - Lubrication and maintenance must **not** be carried out on the equipment during operation.



# WARNING



**ARC WELDING AND CUTTING CAN BE INJURIOUS TO YOURSELF AND OTHERS. TAKE PRECAUTIONS WHEN WELDING. ASK FOR YOUR EMPLOYER'S SAFETY PRACTICES WHICH SHOULD BE BASED ON MANUFACTURERS' HAZARD DATA.**

**ELECTRIC SHOCK - Can kill**

- Install and earth the welding unit in accordance with applicable standards.
- Do not touch live electrical parts or electrodes with bare skin, wet gloves or wet clothing.
- Insulate yourself from earth and the workpiece.
- Ensure your working stance is safe.

**FUMES AND GASES - Can be dangerous to health**

- Keep your head out of the fumes.
- Use ventilation, extraction at the arc, or both, to take fumes and gases away from your breathing zone and the general area.

**ARC RAYS - Can injure eyes and burn skin.**

- Protect your eyes and body. Use the correct welding screen and filter lens and wear protective clothing.
- Protect bystanders with suitable screens or curtains.

**FIRE HAZARD**

- Sparks (spatter) can cause fire. Make sure therefore that there are no inflammable materials nearby.

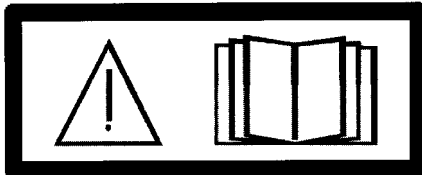
**NOISE - Excessive noise can damage hearing**

- Protect your ears. Use earmuffs or other hearing protection.
- Warn bystanders of the risk.

**MALFUNCTION - Call for expert assistance in the event of malfunction.**

**READ AND UNDERSTAND THE INSTRUCTION MANUAL BEFORE INSTALLING OR OPERATING.**

**PROTECT YOURSELF AND OTHERS!**



## WARNING!

Read and understand the instruction manual before installing or operating.



## WARNING!

Do not use the power source for thawing frozen pipes.



**This product is solely intended for arc welding.**

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### 3 INTRODUCTION

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Wireless transmitter N02 is a part of an alternative remote control system for LHF 405/615 PIPEWELD and Origo™ Arc 410c/650c/810c with panel A12.

Welding cable of power source is used for N02 signal transmission. Lack of thin remote control cables is very convenient in hard environments like shipyards or mines.

Signal transmission is not possible while welding arc is lit.

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### 4 TECHNICAL DATA

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	<b>N02</b>
<b>Setting range (DC)</b>	50-400A
<b>Dimensions l x w x h</b>	130 x 45 x 41 mm
<b>Weight</b>	0,215 kg
<b>Operating temperature</b>	-10 to +40°C
<b>Enclosure class</b>	IP 23

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### 5 INSTALLATION

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*The installation must be executed by a professional.*



**WARNING!**

This product is intended for industrial use. In a domestic environment this product may cause radio interference. It is the user's responsibility to take adequate precautions.

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### 6 OPERATION

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*General safety regulations for the handling of the equipment can be found on page 3. Read through before you start using the equipment!*

#### 6.1 Current setting sequence

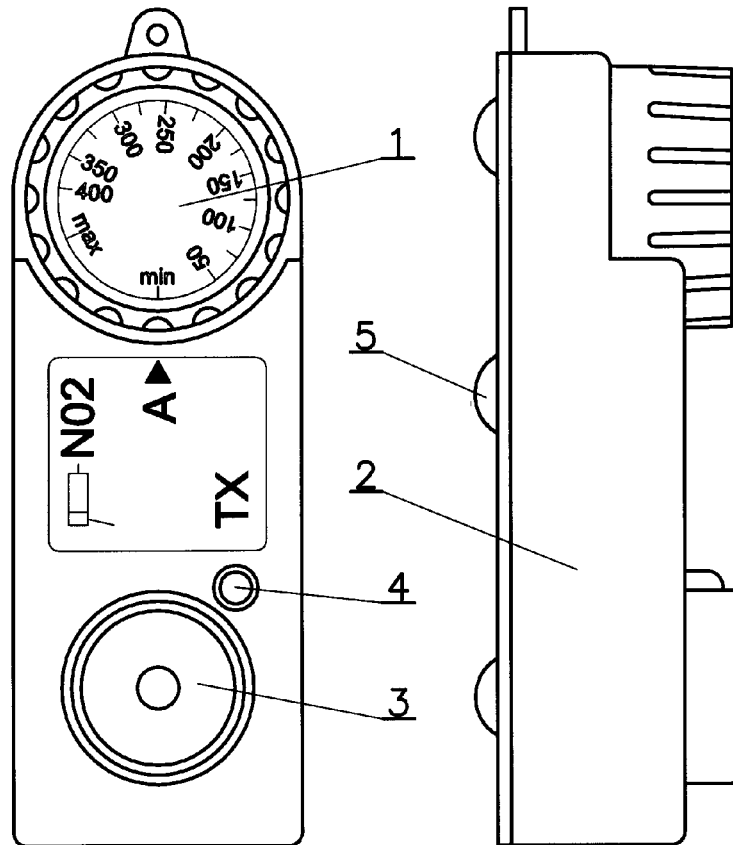
1. Set remote current setting mode on power source.
2. Set demanded current value with knob [1].
3. Put the transmitter on work piece. Make sure there is good electric contact between work piece and copper plate [5].
4. Touch the contact pad [3] with bare tip of electrode gripped with electrode holder, and hold still until end of transmission - LED [4] stops blinking.

Now the current is set and machine is ready for welding.

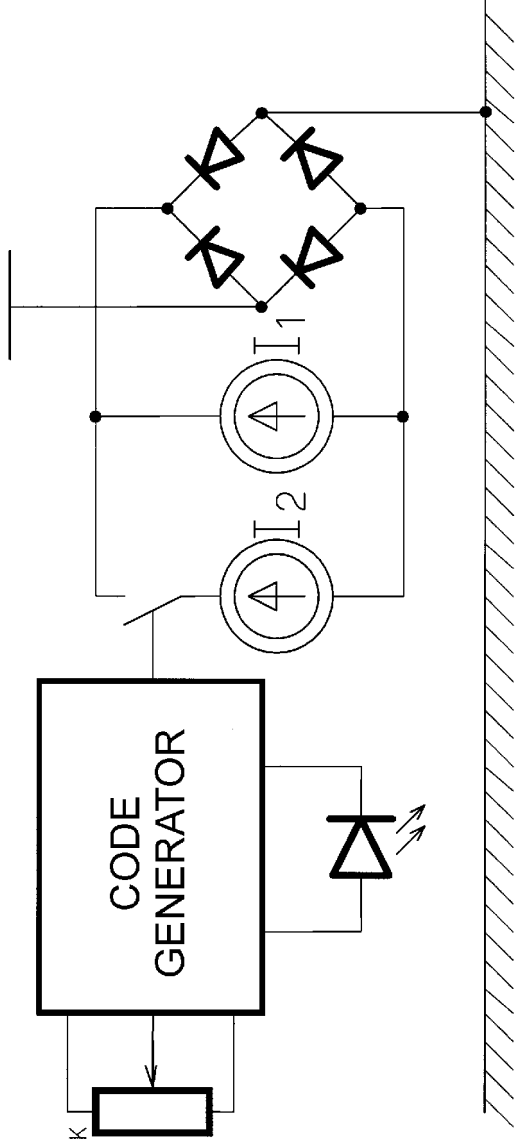
In order to set other current value, steps 2, 3, 4 must be repeated.

## 6.2 Connection and control devices

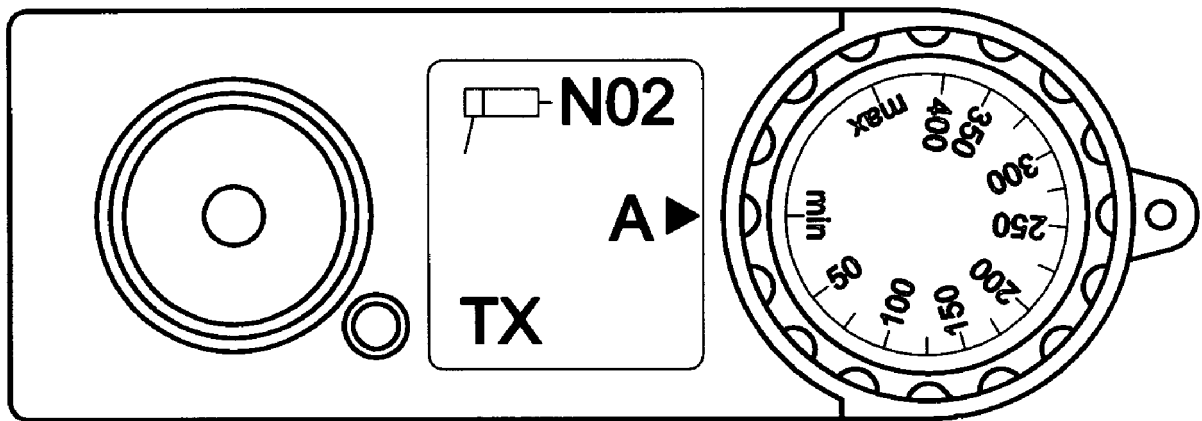
- 1 Current setting knob
- 2 Housing
- 3 Contact pad
- 4 LED transmission indicator
- 5 Copper plate (bottom)



Diagram



N02



Valid for serial no. 536-XXX-XXXX

**Ordering numbers**

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