

# UPGRADE YOUR WIRE EDM MACHINE

Have it call your cell phone when tension changes or the wire breaks.

Identifies the specific machine and the nature of problem.



## PURPOSE

Wire cutting EDM machines can take many hours to cut the metal they are programmed to cut. There is little an operator can do during that cut but frequently has additional responsibilities. The Tbox allows the maintenance personnel complete freedom to be away from the machine, and quickly become alerted to problems.

EDM machines commonly operate 24/7 which means long shifts and ample time for problems. The Tbox control can identify the correct person on each shift (with an accessory) and text message only personnel responsible for that specific shift.

## ADVANTAGE

The Tbox, a wireless monitoring controller, will text message your cell phones when a tension meters, on an EDM machine, indicates a change in tension. Tension meters having an analog output signal, will interface directly with the Tbox. Any tension value (represented by 0-20 mA or 0-10 vdc) can result in a "text message" being sent to one or several cell phones. Several values from the same input can result in multiple message being sent. The message can identify the machine in question and display the value of concern. Machines not having a tension meter, but have an alarm responding to wire breakage, can utilize the Tbox and receive text messages.

## THE TBOX

The Tbox is a stand alone wireless alarm monitoring controller that will send a text message to one or several cell phones when its alarm contacts are triggered.

The Tbox accepts 4 digital input contacts (such as the alarm relay contacts when the wire breaks) and 2 Analog input signals (such as from an electronic tension meter). It also has 4 relay outputs. It will send a text message (or transfer a relay or both) to one or several cell phones when a digital input is triggered or an analog signal reaches a preprogrammed level.

The Tbox is easy to program accomplished through your Web Browser and changes may be readily accomplished.

## INSTALLATION

The Tbox is an industrial control complete with antenna and provision for mounting on a DIN rail. It includes screw terminals for all electrical connections and the Form C relays are rated for 7 amps at 240 volts.

It has an optional power supply with an industrial input of 85 to 264 vac and an output of 24 vdc at 1 amp.

A NEMA 4 enclosure is available with a convenient DIN rail for mounting the control and power supply. It has a transparent front cover for viewing the control's status LEDs. The LED's indicate inputs, outputs, power and any error condition.

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