



THE SSC CONTROLS COMPANY

THE FOOT SWITCH EXPERTS®

Instruction Sheet

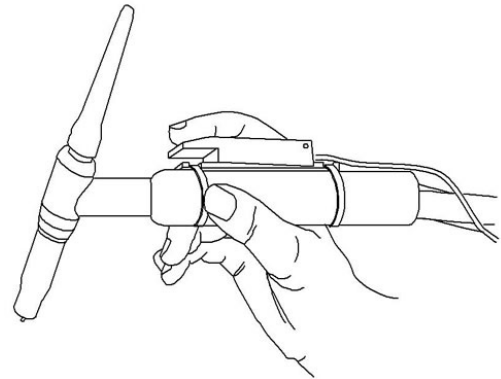
Touch 4 TIG Welding Fingertip Hand Control

The Touch 4 fingertip control is an all-new approach to TIG welding amperage control. The idea is simple and innovative, and the result is a steady hand and excellent control. Instead of a knob that you have to turn or a slider that you have to move while trying to hold your TIG torch steady, the Touch 4 relies on pressure applied by your finger.

The Touch 4 works in steps: you apply finger pressure to turn on the contactor, giving you your low-amps setting, and then you increase pressure through four steps: 25%, 50%, 75%, and 100% of the setting on your panel. Set the amps on your panel to about 33% more than the suggested current for the thickness and metal type that you are welding, and then you simply dither to create the puddle and weld that you want.

Product Features:

- Simple, low-profile design.
- Works in four levels of amperage.
- Less movement to adjust current.
- Designed and made in the USA.
- US Patent 9,550,250 B2.



Important: Many welders are in the habit of setting the amperage control on their machine to full power and using a foot pedal to "dial in" the exact amperage they need for a job. That won't work with the Touch 4. Since the Touch 4 only has four power levels, it is important that you set the overall power level of your welder correctly for the job at hand (see step 3 below).

How to Set Up the Touch 4 on Your TIG Torch:

1. Mount the Touch 4 to your welding torch, using two of the supplied cable ties. If you are right handed, it is typical to put the bulky catch on the ties to the left side, out of the way, and to move the controller around to the right side of the torch. Experiment with placement of the controller until it falls naturally under your finger using a normal grip.
2. If your torch cables are inside a zipped cover (recommended), open the cover and incorporate the Touch 4 cable into your bundle. Otherwise, tape or velcro the Touch 4 cable onto your bundle.
3. Set your main amperage control so that power level three of the Touch 4 is the right amperage to run a bead in the material you are welding. In other words, set your main power control to about 25% more amperage than you think you will need for the job. This is no big deal, and if you are a little off, you will be able to compensate by "pulsing"

The SSC Controls Company
8909 East Avenue Mentor, Ohio 44060
Phone: 440 205-1600 Fax: 440 205-1700



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between any two power levels to get the amount of heat you want. Just try to get it in the ballpark.

4. Grasp the torch with your normal grip – your index finger should fall right on the Touch 4. Keep your finger off the Touch 4 until you are ready to strike an arc! Your welder is off, with no voltage on the electrode, as long as you don't press on the controller.
5. With your electrode positioned above the start of the weld, press lightly on the Touch 4, activating power level 1. An arc is established and your workpiece is illuminated. You can stay at this power level as long as you need; to get your bearings or, when welding aluminum, to clean the start of the weld, without melting anything.
6. Press a little more and feel the little clicks as you advance through level 2 to level 3; now you're welding.
7. If you find you're putting in too much heat, drop back to level 2.
8. If you need extra power for a heavier section, or to quickly start the weld, bump up to level 4.
9. At the end of your weld, to avoid a crater, drop back gradually through levels 2 and 1, then release.

Touch 4 Power Levels

1. A base setting that allows you to start the arc and illuminate the work without melting anything.
2. A “cool” setting that you can drop back to when things start getting too hot.
3. A “normal” setting that you use to run a bead.
4. A “hot” setting for quickly starting the weld, tacking, or any time you need more heat.

CAUTION: Do not let the Touch 4 controller come into contact with hot metal. It is made of glass-filled nylon, which is one of the toughest things we can make it out of, but it WILL melt if you get it hot enough. Anything your torch handle (and your hand) can stand should be OK for the Touch 4.

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