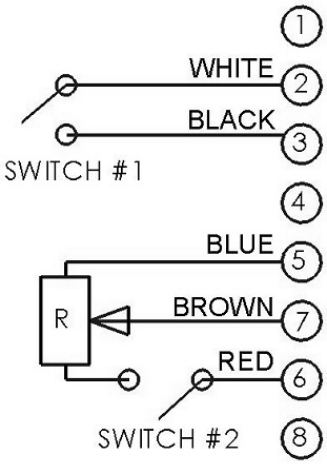
THE SSC CONTROLS COMPANY

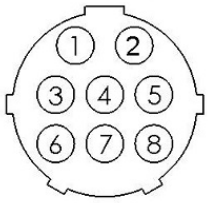
PREMIER INDUSTRIAL CONTROLS

Wiring Diagram and Test Instructions

C850-0815XS (replaces W4013200 foot pedal) for Thermal Arc 186 or ESAB ET 186i AC/DC



WIRING DIAGRAM
THERMAL ARC W4013200



PLUG (END VIEW)

How to check the potentiometer:

Using a multimeter on the Ohms setting, check pins 5, 6, and 7 at the end of the plug (with the pedal unplugged). The results should be as follows, with a smooth change in output as the pedal is pressed.

NOTE: You must also press down the pedal slightly to activate the switches (but not far enough to move the potentiometer) in order to get the correct readings for the "pedal up" position.

With pedal up:
pins 5-7 (blue-brown) = 5000 ohms
pins 6-7 (red-brown) = near zero

With pedal down:
pins 5-7 (blue-brown) = near zero
pins 6-7 (red-brown) = 5000 ohms

Note: Resistance tolerance is ±10% (any value within 10% is acceptable).

How to check switch #1:

Use the multimeter's continuity (beep test) setting to check pins 2 and 3. It should show continuity (connection) when the pedal is pressed and turn off when released. This is what energizes the torch and activates the gas flow when it is pressed.

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