



Miller
The Power of Blue.



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Induction Heating Pendant Controller

The Miller IH/PC™ is a pendant-style controller designed specifically to interface with the IHPS™ II and Intellifire™ power sources. The single-station controller is micro-processor based, allowing the operator to preset power parameters and, if necessary, timing schedules associated with the induction heating process. A battery-backed memory stores the parameters. The IH/PC provides real-time system monitoring via a LCD display which is valuable for troubleshooting and verification of system performance and operating parameters.

Features and Benefits

Dual Mode Operation:

Timed Cycle — In the Timed Cycle mode, the controller allows precise timed programming of three independent Power levels and two Slope timers within the program(s). This mode of operation is ideal for semiautomatic applications.

Continuous – In the Continuous mode, the controller allows complete manual operation, with Power being the only programmed parameter, making this mode of operation ideal for manual applications.

In either mode, programming is logical and straightforward.

Timed parameters:

	Power Delay	Power Level 1	Initial Slope	Power Level 2	Final Slope	Power Level 3	Cycle End Delay
Time (sec.)	0 - 655	0 - 655	0 - 25	0 - 655	0 - 25	0 - 655	0 - 655
Power Source Rating		0 - 100%		0 - 100%		0 - 100%	

Real Time System Monitoring: The IH/PC monitors and displays all of the power source output functions: Power (kW), Amps (rms), Volts (rms) and Frequency (kHz), providing the operator real-time data. While in stand-by, the controller retains and displays the most recent output data.

Comprehensive Fault Recognition: The IH/PC detects up to five process faults within a cycle. When a fault occurs, the controller retains the process parameter at the time of the fault. Fault condition parameters are displayed for evaluation after completion of the cycle.

Multiple Program: Memory capacity for eight programs, with each having unique process parameters. Each program can be independently accessed and modified for specific part applications.

Built-in Security Access: A three-digit access code can be activated to prevent unauthorized programming of the controller.

True Blue® One-Year Warranty: The IH/PC Pendant Controller is built to the highest standards of quality and durability, ensuring cycle after cycle of trouble-free operation.



Miller Electric Mfg. Co.

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Web Site

www.MillerWelds.com

Specifications (Subject to change without notice.)

Dimensions: Height 11-3/4 in. (298 mm); width 7-1/4 in. (184 mm); depth 3-1/8 in. (79 mm)

Net Weight: 2-3/4 lb. (1.25 kg)

Type of Input Power: 24 VDC

Auxiliary Relay Rating: 120 VAC, 5 amp

Interconnecting Cord with Plugs: 15 ft. (4.6 m)

Extension Cord (optional): 25 ft. (7.6 m)

Memory Capacity: 8 programs total; either single or multiple program accessibility (see manual)

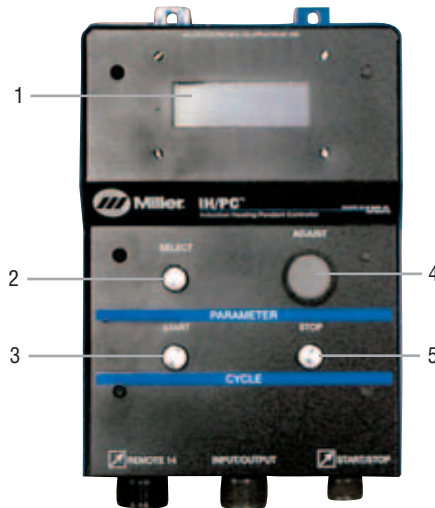
Control Capacity: Single power source control

Control Panel

Keep all panels, doors, and covers closed and secure during programming.

Place Remote Start switch in OFF position.

1. LCD Display
2. Parameter Select Button
3. Cycle Start Button
4. Parameter Adjust Knob
Rotate knob clockwise to change setting(s) or increase value.
Rotate knob counterclockwise to return to previous setting(s) or decrease value.
5. Cycle Stop Button



Accessories

Interconnect Control Cable 30 in. (76 cm) #200 202

Interconnect Control Cable 15 ft. (4.6 m) #042 715

Extension Cable 25 ft. (7.6 m) #042 985

Ordering Information

IH/PC™ Pendant Control #043 109



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