PX1700 ECO
PX1700 PRO

Resistance Welding Solutions

CE

MAIN FEATURES

PX1700 ECO
- Digital resistance welding control with three numeric displays.
- Control of nine time-parameters: Squeeze, pre-weld, slope-up, weld, pulses, down-slope, post weld, hold time, pause time (with auto repeat function).
- Welding time adjustable in whole or half periods (single-phase AC welding machines) or in milliseconds (three-phase MFDC welding machines).
- 10 welding programs storable.
- Double cycle start input available for recalling two consecutive programs.
- Weld - No Weld input.
- Control of two solenoid valves with control circuit diagnostics.
- Two end sequence output signals.
- Error signal on display.
- Weld counter.
- USB port for program backup or firmware updates on a USB stick.
- Integrated SCR trigger circuit.
- Pulses for switching on the external SCR ignition card.

❖ **REPLACES PX1600 CONTROL**

❖ **SAME PANEL SIZE AND FIT**

❖ **MORE FEATURES**

❖ **PX1700ECO FITTED TO PBP & PFB MODELS**

❖ **PX1700PRO FITTED TO PF & PFP/PFX MODELS**

PX1700 PRO
- Same functions as the PX1700 ECO, in addition:
- 100 welding programs storable.
- Weld quality control monitoring by weld current limits (tolerance) in self-teaching mode
- Weld Counter- RMS weld current measurement
- USB port for backing up programs, firmware updates, welding reports performed in Excel format on a USB stick.
- Date and time clock, with backup battery.
- Analogue output for controlling the HP400 inverter.
- Analogue output for proportional solenoid valve control.
- Alarm output.
- Dedicated inputs for the selection of 31 programs from external devices (such as PLC).
- Programmed electrode force control (in combination with optional proportional solenoid valve).
- RS485 port for expansion.
- Prepared for wireless communication modules.

PX1700 WELDING CONTROL

PX1700 ECO
PX1700 PRO
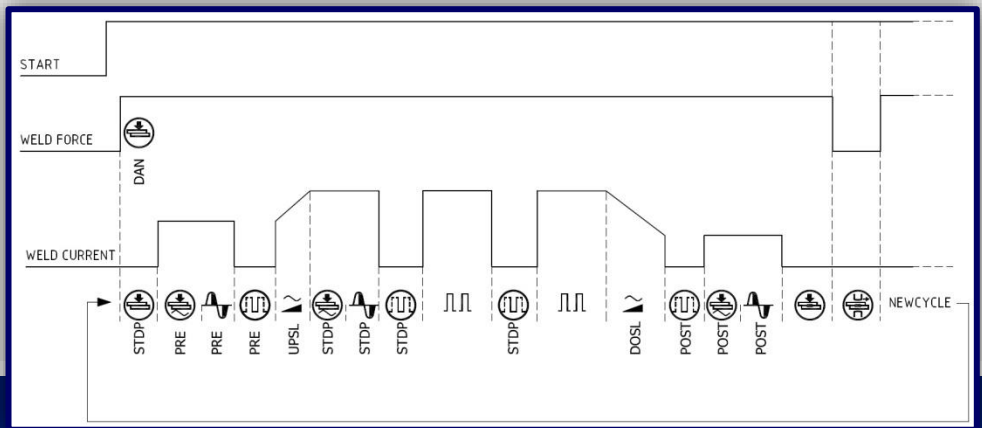
PX1700

	PX1700 ECO	PX1700 PRO
Power Supply	24V-AC 50/60 Hz	24V-AC 50/60 Hz
Number of Welding Programs	10	100
Number of external selectable programs	---	31
Number of Solenoid Valves with control circuit diagnostics	2	2
Number of Cycle Initiating inputs	2	2
Number of Outputs - Weld end sequence	2	2
Weld / No Weld input	√	√
Alarm Output	---	√
Thermostat / Flowswitch Input	√	√
Analogue Output 0÷10V EVP control	---	√
Pre - Post Weld parameters	√	√
Upslope Downslope and Pulsations parameters	√	√
Weld time in whole/half cycle (AC transformers) or milliseconds (MFDC transformers)	√	√
Single weld and Auto-repeat function	√	√
Weld counter	√	√
Measure weld current (RMS value)	---	√
Weld monitor out of limits	---	√
Excel weld log	---	√
USB port	√	√
Built in Thyristor firing circuit	√	√
Output with ignition pulses for external board	√	√
Analogue output controling MF inverter unit	---	√
Date and time clock, with backup battery	---	√

PX1700 ECO

PX1700 PRO

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