

Contents



TRITON

SYSTEM OVERVIEW

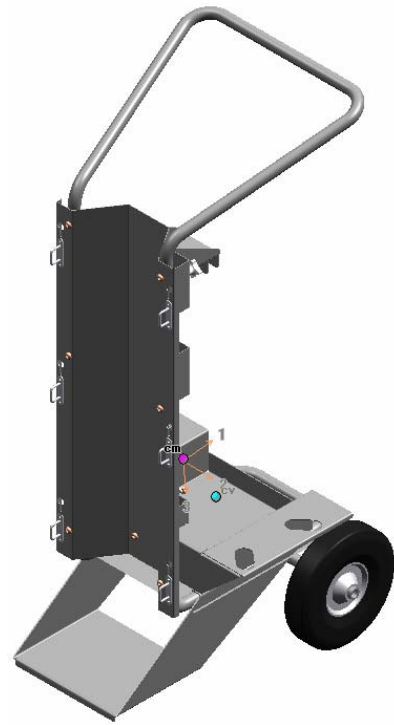
CONTROLS

TECHNICAL DATA

WELDON

SYSTEM OVERVIEW

WELDON



TROLLY 31-2



Cooling unit
COOL20 U20

Remote control



RT 1



RTP 1



RTP 2



RTF1

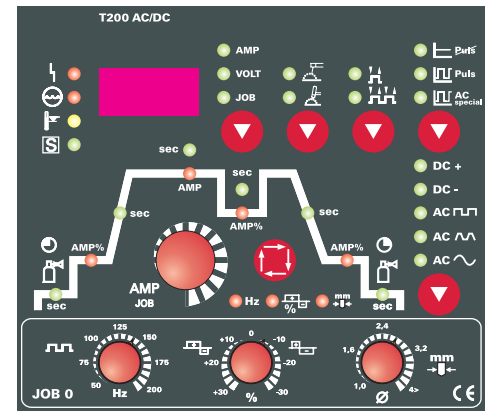
TIG torch



Standard



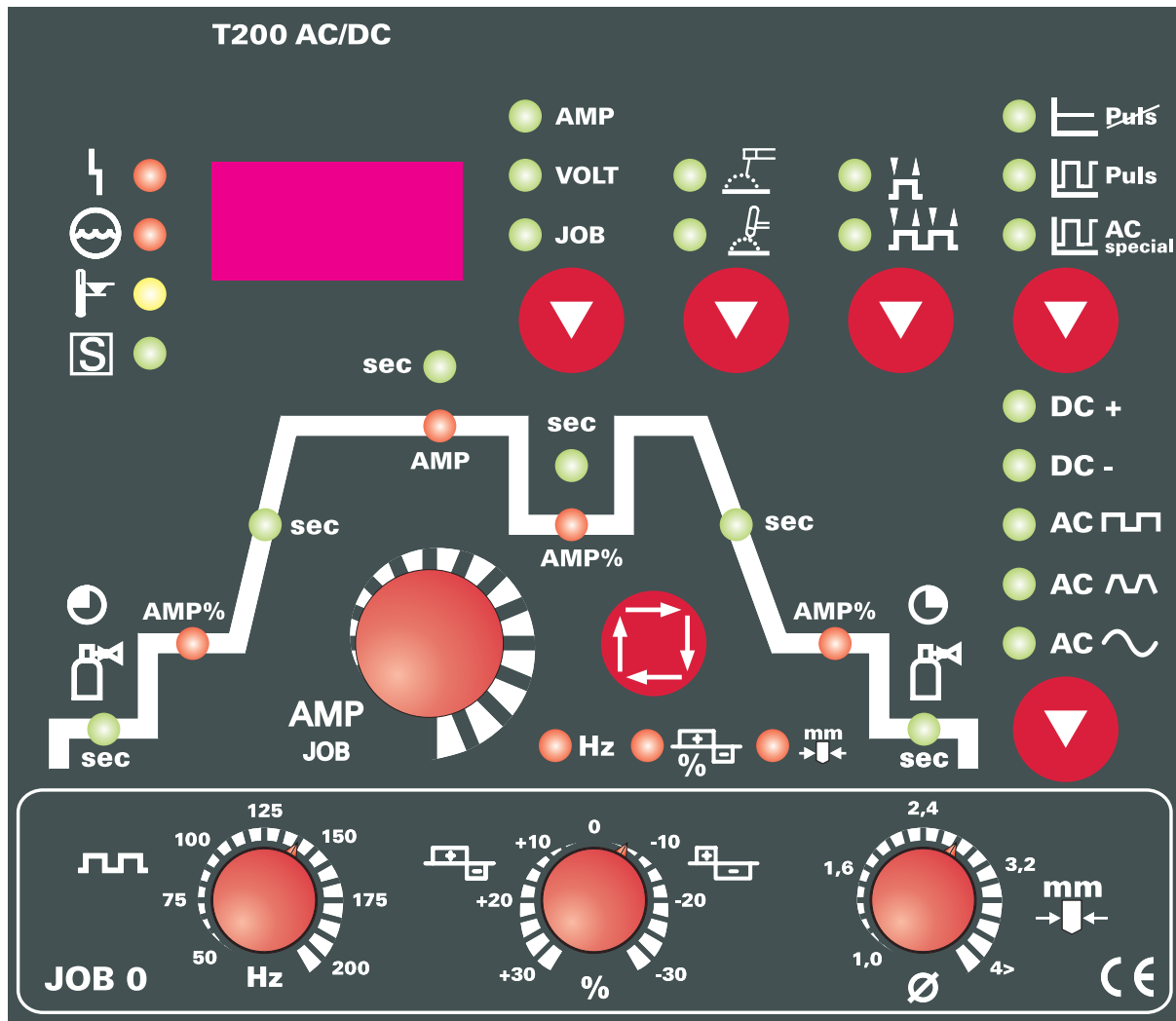
Up/Down



Control
T200 (AC/DC)

T200 AC/DC (TRITON 220 AC/DC)

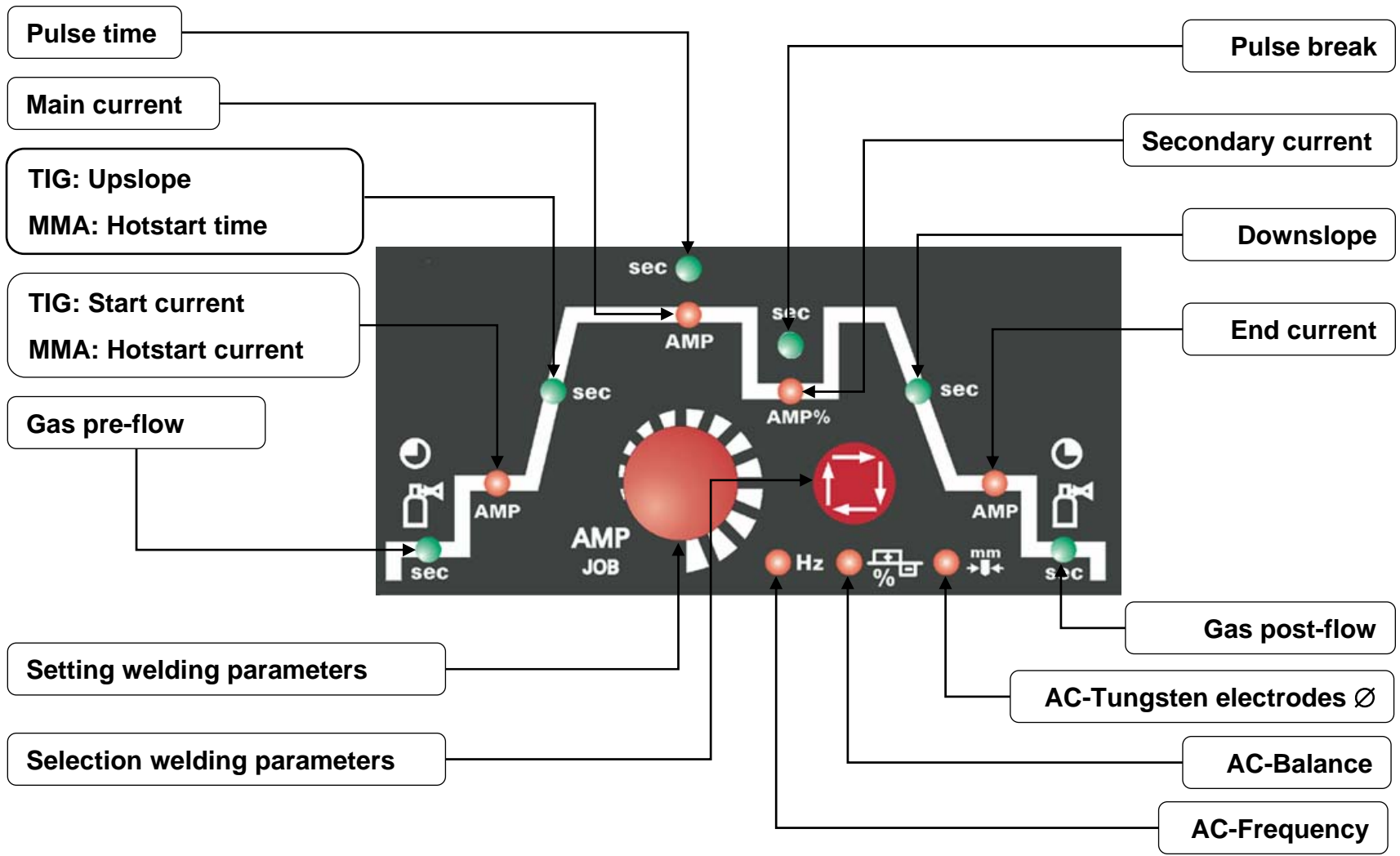
WELDON



CONTROLS

T200, Sequence of Functions

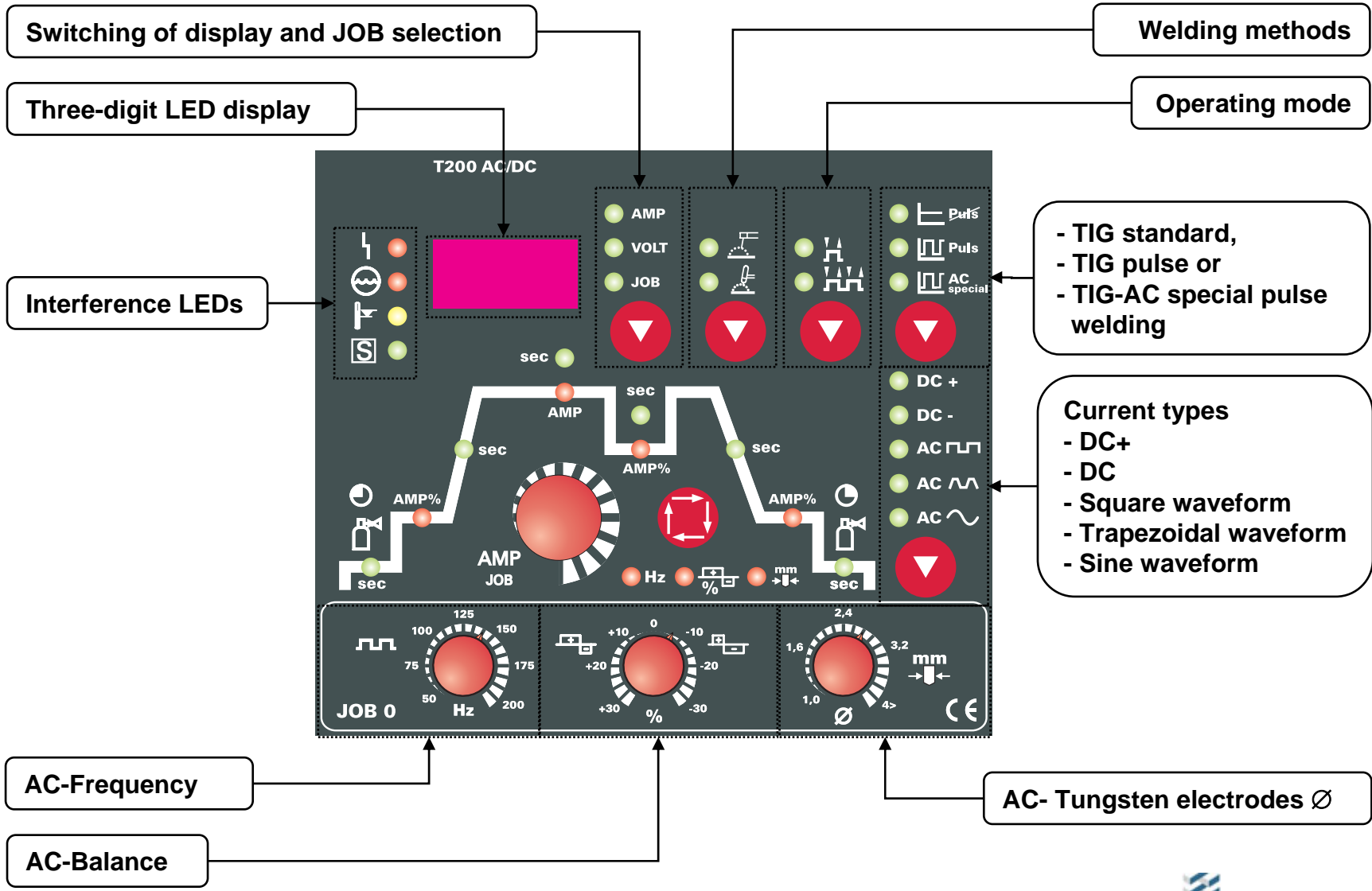
WELDON



CONTROLS

WELDON


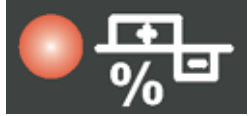




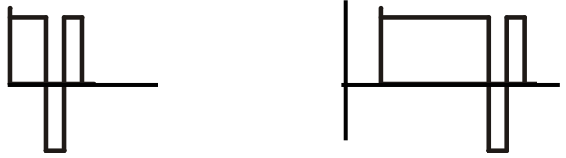
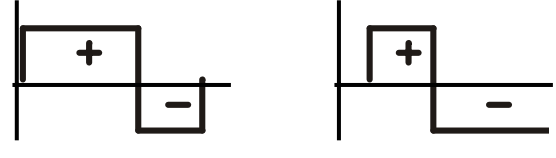
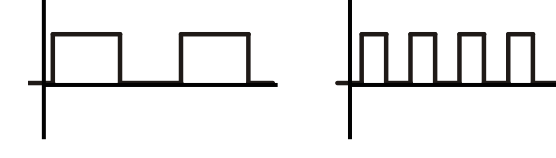
T200 AC/DC



CONTROLS

Optimizing of TIG Alternate Current Welding

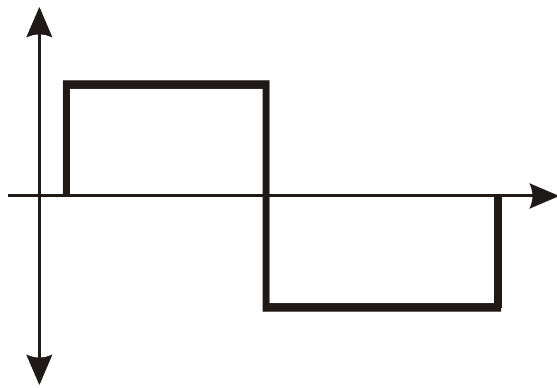
WELDON

Tungsten electrodes \varnothing	AC-Balance	AC-Frequency
		
<p>Perfect ignition and stabilization of welding arc as well as optimum shaping of the tungsten electrode tip</p>	<p>Stepless optimizing of oxide removal effect and penetration behavior</p>	<p>Constriction and stabilization of welding arc</p>
		
		

CONTROLS

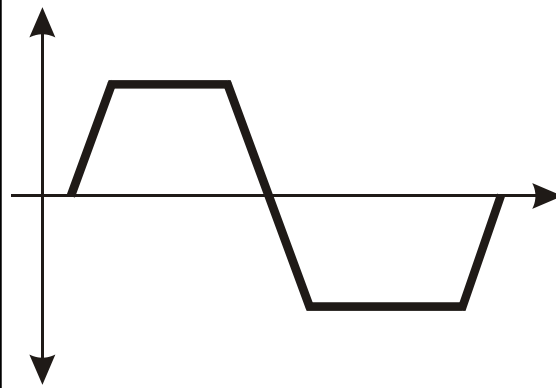
Alternate Current

**Square waveform
(power arc)**



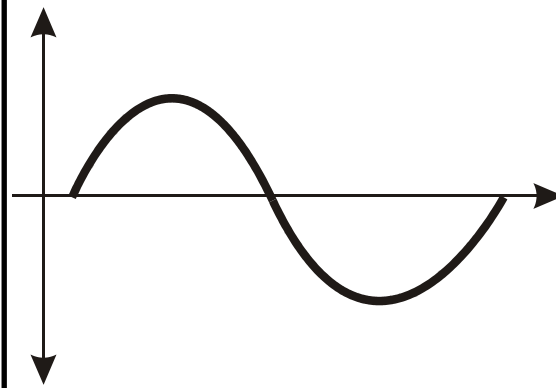
Best performance and safe welding

**Trapezoidal waveform
(medium arc)**



The allround machine for the most usual applications

**Sine waveform
(silence arc)**

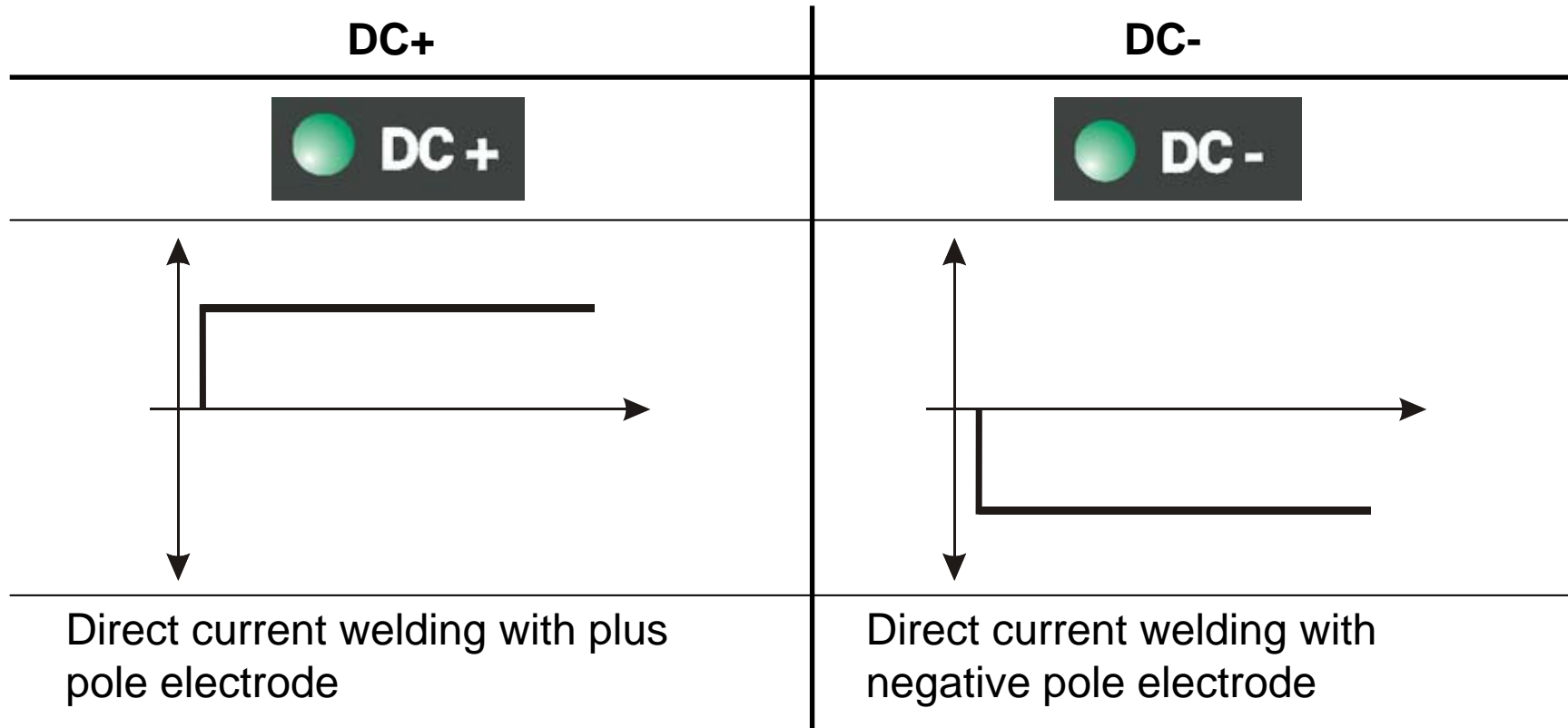


Low noise excellent welding with filler material

WELDON

CONTROLS

Direct Current



- Simple pole change (pole reversing switch)

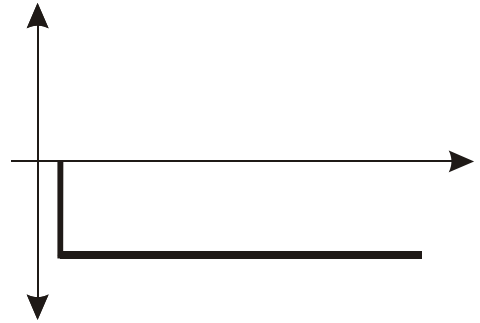
CONTROLS

Pulse

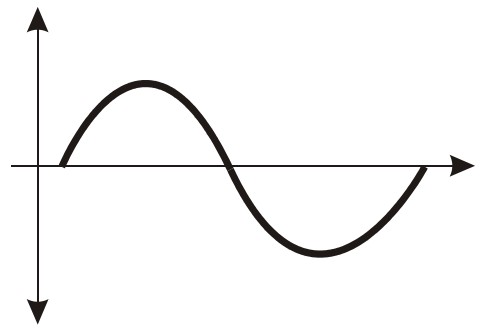
TIG AC or DC welding without pulsing



TIG DC



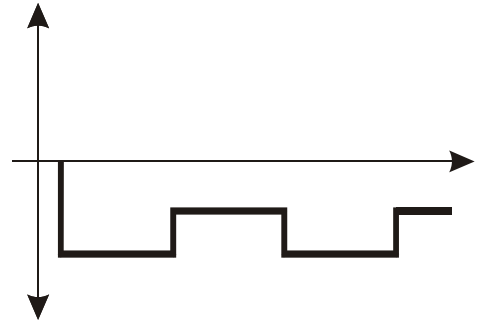
TIG AC



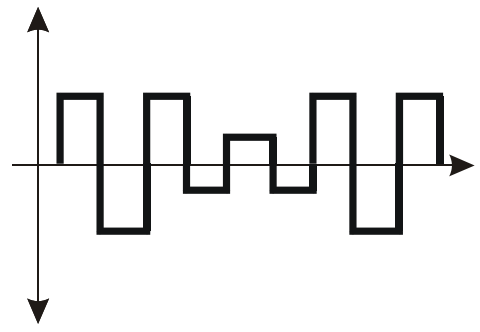
TIG AC or DC pulse welding



TIG DC



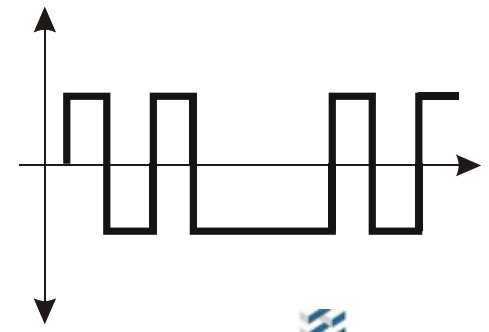
TIG AC



TIG AC welding with special pulse



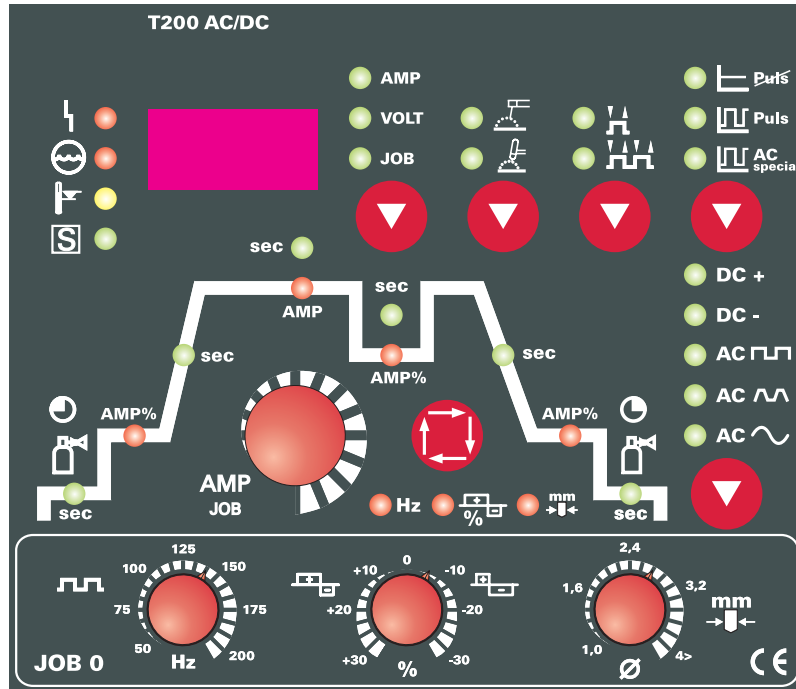
TIG AC special pulse



WELDON

CONTROLS

Machine Control T200 AC/DC



8 JOBS (welding tasks) can be programmed on the control T200 and recalled with the welding torch.

JOB 0:

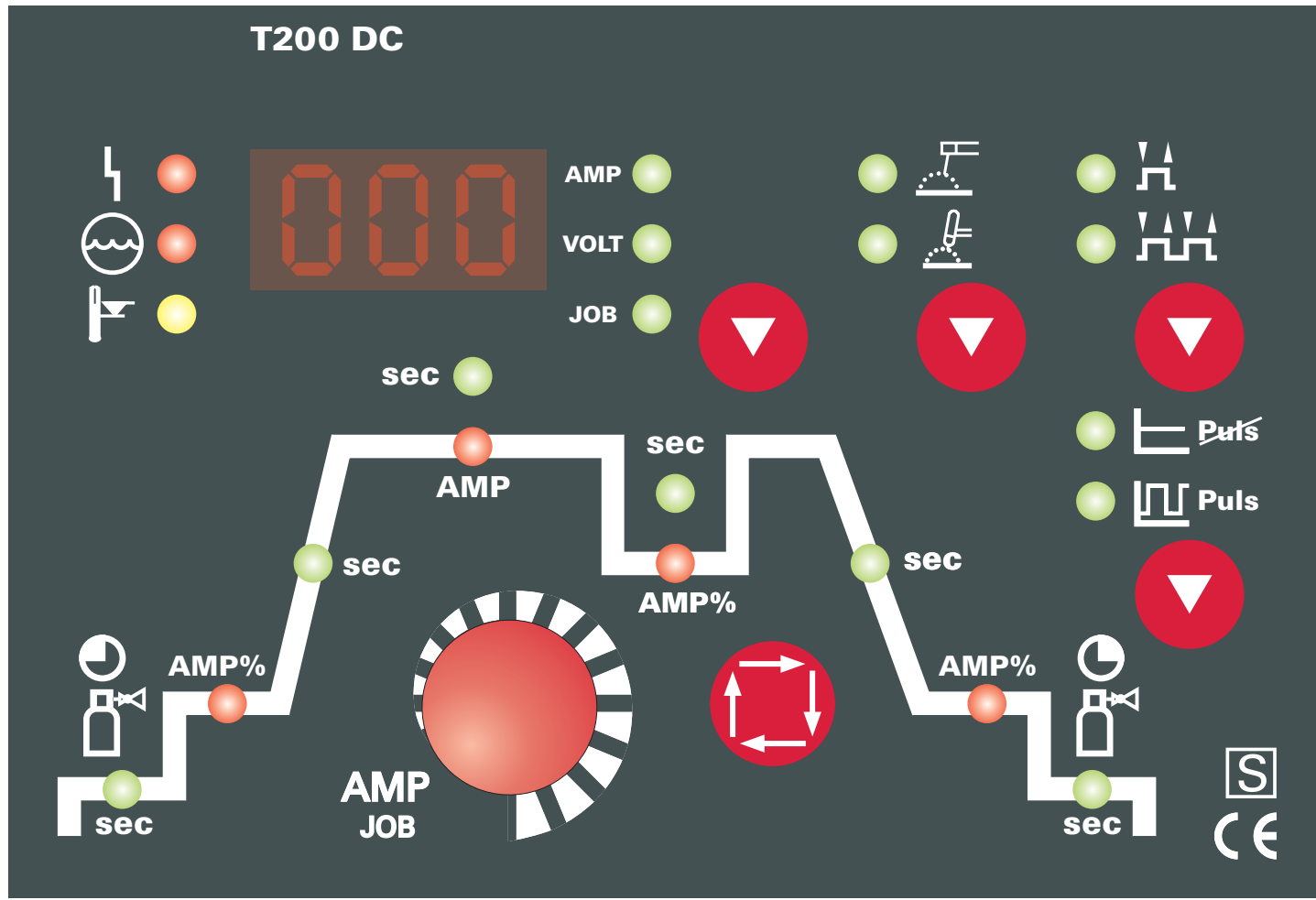
AC frequency, AC balance and tungsten electrodes \emptyset are manually adjustable.

JOB 1-7:

All welding parameters will be programmed in the program procedure.

CONTROLS

T200 DC (TRITON 220 DC)



WELDON

		PICOTIG 220 DC TRITON 220 DC		PICOTIG 220 DC/AC TRITON 220 AC/DC	
Setting range:					
Welding current/welding voltage					
TIG		3A - 220A / 10,1V - 18,8V		3A (5A AC) - 220A / 10,1V - 18,8V	
MMA		3A - 180A / 20,1V - 27,2V		5A - 180A / 20,1V - 27,2V	
Max. duty cycle at:		TIG	MMA	TIG	MMA
20°C ambient temperature:	40%	220A	----	220A	----
	45%	----	180A	----	180A
	60%	180A	160A	180A	160A
	100%	150A	140A	150A	140A
40°C ambient temperature:	35%	220A	180A	220A	180A
	60%	160A	140A	160A	140A
	100%	130A	110A	130A	110A
Open circuit voltage		93V		45V	
Mains voltage (tolerances)		1x230V -40%; +15% 1x240V -40%; +10%			
Mains fuse (safety fuse – slow blow)		1 x 16A			
cosφ / Efficiency		1,0 / 89%			
Dimensions L x W x H [mm]		480 x 185 x 390			
Weight		16kg		17,9kg	