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typical applications

poke guns



manual stations



pedal spot welders



bench welders



MTR10/25/50 welding control

data sheet



Low cost features and flexibility

The MTR has been designed as a low cost welding control system intended for the customer who requires an easy to use and flexible timer in a small package. Suitable for poke guns, mechanically/pneumatically operated spot/projection/seam welders and bench welding applications, the MTR has a built in programmer and a choice of integrated thyristor units.

features	benefits
up to 10 programs	store settings for different material and thicknesses
single/repeat modes*	versatile
110...240 or 380...500V, 50/60 Hz operation	international
counter with optional lock-out*	can be used for electrode maintenance
24V dc inputs and outputs	safety
integrated programmer	easy to use
compact package	easy to install
integrated thyristor	low additional costs

*MTR50 only

options

configurations

integrated 10/25/50 kVA thyristors

MTR10/25/50 welding control

data sheet

welding parameters x 10		MTR10	MTR25	MTR50	environmental	
mode	single/repeat			✓	temperature	
heat1	0..99.9 %	✓	✓	✓	- operating	0° to +50°C
heat2	0..99.9 %			✓	- storage	-25° to +70°C
presqueeze	0..99 cycles			✓	humidity	
squeeze	1..99 cycles			✓	- operating	up to 80% (relative)
weld1	0..40 cycles	✓	✓	✓ 0..99	- storage	10% to 90%
cool1	0..99 cycles	✓		✓	dimensions	
weld2	0..99 cycles			✓ 0..99	height	88 mm
cool2	0..99 cycles			✓	width	284 mm
hold	1..99 cycles			✓	depth	166 mm (216 mm MTR50)
seam balance	0..55%			✓	weight	3 kg
off	0..99 cycles			✓	power requirements	
counter	0..9999			✓	voltage	110...240 or 380..500 V ac
retract				✓	frequency	50/60 Hz
end of sequence				✓	maximum line current	< 95 A
thyristors		MTR10	MTR25	MTR50	i/o ratings	
10 kVA		✓			inputs	< 10 mA @ 24 V dc
25 kVA			✓		outputs	500 mA @ 24 V dc
50 kVA water-cooled				✓		
mounting						

Information in the document is subject to change without notice.

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