



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 8 programs	store settings for different material and thicknesses
repeat mode ¹ seam mode ²	versatile
110...240 or 380..500V, 50/60 Hz operation	international
counter with optional lock-out ¹	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

¹MTR50 only

²MTR10 only

options

configurations

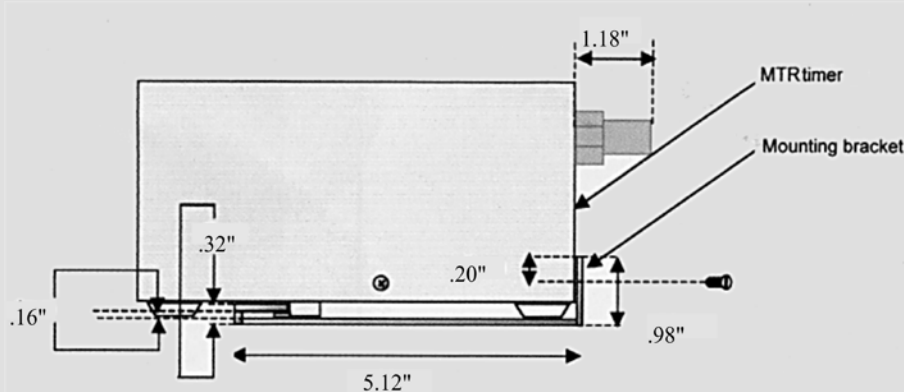
integrated 10/25/50 kVA thyristors

MTR10/25/50 welding control

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welding parameters x 8		MTR10	MTR25	MTR50	environmental	
mode	repeat			✓	temperature	
mode	seam	✓			- operating	32° to +122°F
heat1	0..99.9 %	✓	✓	✓	- storage	-13° to +158°F
heat2	0..99.9 %			✓	humidity	
presqueeze	0..99 cycles			✓	- operating	up to 80% (relative)
squeeze	1..99 cycles			✓	- storage	10% to 90%
weld1	0..99 cycles	✓	✓	✓	dimensions	
cool1	0..99 cycles	✓		✓		
weld2	0..99 cycles			✓	height	3.5"
cool2	0..99 cycles			✓	width	11"
hold	0..99 cycles			✓	depth	6" (8.5" MTR50)
seam balance	0..55%	✓			weight	8 lbs
off	0..99 cycles			✓	voltage	
counter	0..9999			✓		
thyristors		MTR10	MTR25	MTR50	frequency	
10 kVA		✓			50/60 Hz	
25 kVA			✓		maximum line current	
50 kVA water-cooled				✓	< 95 A	
					i/o ratings	
					inputs	< 10 mA @ 24 V dc
					outputs	500 mA @ 24 V dc

mounting



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91-10-00-00-17 rev. 7 © 2003 BF ENTRON Ltd.