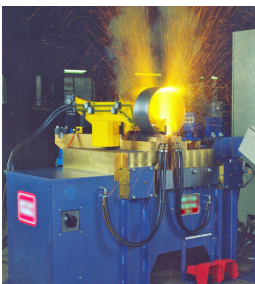




typical applications



Manual Machines



Flash Welding



Upsetting

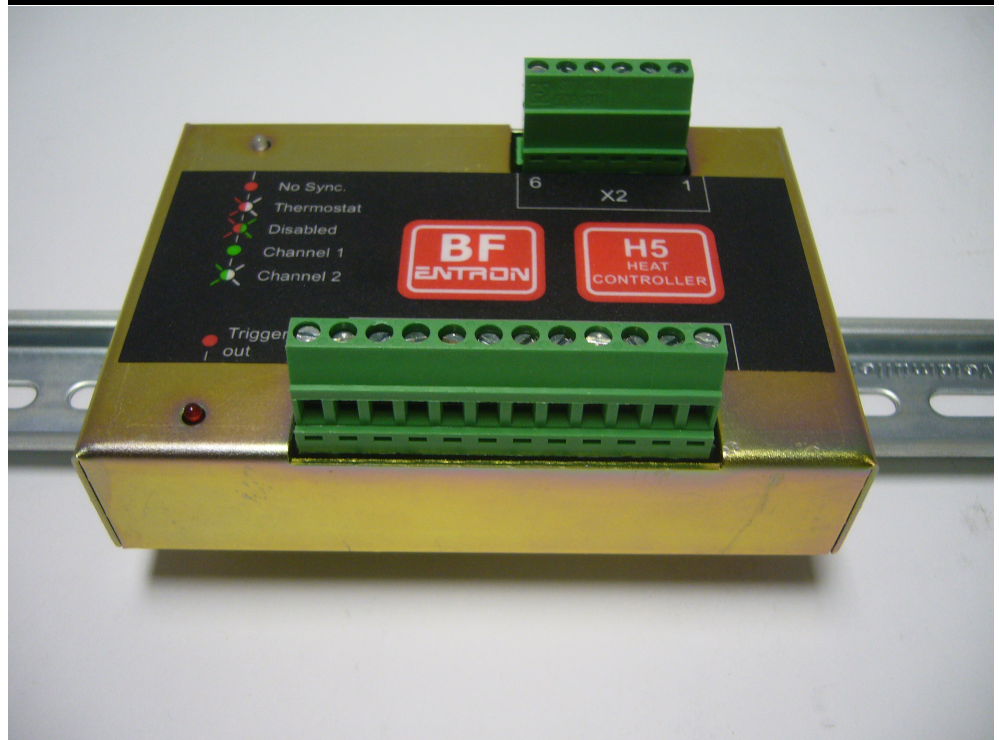
Electrical Upsetting Machines



Metal flow

H5 Heat controller

data sheet



The H5 is a small accessory unit which can be used to control any pulse driven thyristor (SCR) contactor or AC switch. The H5 can be applied to any situation requiring control of an AC switch, such as resistance welding equipment, industrial process heating etc.

features	benefits
0 to 10 V control inputs.	Easy control from a potentiometer or automation systems
Continuous or timed operation.	Versatile
Timer function 0...1 s / 0...10 s.	Precise control
50/60 Hz operation	International
Synchronous heat / tap change.	Dual outputs make it easy to dynamically switch transformer taps.
1st half-cycle delay.	Soft start. Minimises inrush transients.
Handshake signals.	Easy integration for automation.
Din-rail mounting	Simple installation
Thermal contact input.	Protects Thyristors and/or Transformer.
Diagnostic indication	Maintenance friendly.
2-part plug-in terminal block connectors	Easy connection
10V reference output	Direct connection of control potentiometers.

H5 Heat controller

data sheet

Configurations		Environmental	
Basic	Simple continuous heat control.	Temperature:	
Timed	Heat control with timing.	- operating	0° to +50°C
Dual heat	Two loads, each with independent heat control.	- storage	-25° to +70°C
Tap change	Synchronous changeover between taps, independent heat on each tap.	Humidity:	
		- operating	up to 80% (relative)
		- storage	10% to 90%
Diagnostics		Dimensions	
No sync.	No synchronising signal detected.	height	160 mm
Thermostat	Thermal monitor circuit is open.	width	83 mm
Disabled	No start signal.	depth	37 mm + 20 mm for connector
Channel 1	Channel 1 is active.	weight	0.43 kg
Channel 2	Channel 2 is active.		
Trigger out	Output to power devices is active.		



Power requirements

voltage	24 V dc
current	<400 mA (all outputs off)
sync. voltage	27 V ac, 1 VA, 50/60 Hz

I/O ratings

inputs	< 10 mA @ 24 V dc
outputs	< 500 mA @ 24 V dc
SCR drive	5 kHz; 1:10 mark/space; first pulse 24 V; subsequent pulses > 15 V

Information in the document is subject to change without notice.
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