

Clock controlled electronic thermostat

For surface installation – Design Berlin 3000



Technical data	Application
<p>Operating voltage: 230V / 50 Hz</p> <p>Sensor: NTC – internal</p> <p>Switching capacity: 13 (2) A / 230 V – relay / make contact</p> <p>Switching contact: 5 ... 30°C (scale in °C)</p> <p>Setting ranges: <1 K</p> <p>Switching difference: adjustable 5 ... 29°C (factory setting 17°C)</p> <p>Temperature decrease: IP 30</p> <p>Degree of protection: II, after according installation</p> <p>Protection class: mechanical range suppression, summer- / winter time changeover, child protection / valve protection</p> <p>General equipment: symbol display with 9 direct select keys / °C or °F (Fahrenheit)</p>	<p>For the time-dependent control of temperatures in closed rooms. Suited for all kinds of heating systems.</p> <p>Valve: normally closed type.</p> <p>The device can also be used as master controller that enables to trigger the temperature decrease operations of other controllers (slaves). The controller models of the FETR, FTR and RTBSB series are particularly suitable for this purpose (operation as slave controllers).</p> <p>Programming mode known from mechanical switch clocks: programming enabled for each day individually by means of so-called "electronic stops". Lowest switching time: 15 min.</p>
<p>Indications: symbol display with 9 direct select keys / °C or °F (Fahrenheit)</p> <p>4 days</p> <p>Admissible air moisture: max. 95 %, non condensing</p> <p>Storage temperature: –20 ... +70°C</p> <p>Radio interference suppression: acc. to EN 60730</p> <p>Ambient temperature: 0 ... 30°C</p> <p>Housing colour: pure white, similar to RAL 9010</p> <p>Housing material: plastic (ABS)</p> <p>Mounting / installation: surface installation / wall mounting</p> <p>Weight: approx. 250 g</p> <p>Electrical connections: terminal screws</p>	

Model / Picture	Item No.	Equipment	Circuit diagram	PG
<p>HTRRBu-110.117</p>	<p>MA 600000</p> <p>New</p> <p>Replaces all models of the MTRU series (break contact, 230 V)</p>	<p>Room temperature controller with clock: Simplest operation through direct select keys for ON / OFF, holiday mode setting, party mode setting and the setting of the desired operating mode and for the calling of information pertaining to all actual settings. Temperature setting knob with °C scale and self-learning function (can be deactivated).</p>		A
<p>HTRRBu-110.121</p>	<p>MA 600300</p> <p>New</p> <p>Replaces all models of the MTRU series (break contact, 230 V)</p>	<p>Room temperature controller with clock and backlight: Identical with HTRRBu-110.117, but with additional backlight.</p>		A
<p>JZ-17</p>	<p>MN 990001</p> <p>New</p>	<p>Adapter plate for installation on an UP box (incl. fixing screws for the installation of the HTRRBu on the adapter plate)</p>		K

