WARRANTY

production date	warranty card number
Output K1: EMR - 5A/250VAC for external SSR - 50mA/12	open collector NPN - 40mA/40V (24)V
Output K2: EMR - 5A/250VAC for external SSR - 50mA/12	open collector NPN - 40mA/40V (24)V
Power supply voltage: 230 VAC 912 VA	☐ 115 VAC ☐ 90250 VAC/DC .C ☐ 1224 VAC/DC ☐
Serial NoQ	uality Control Passed:(stamp)
Digital display	3-digit LED, 9 mm
LEDs	2 LEDs for relay contro
Accuracy	± 0.02% from spar
Operating temperature / humidity	050 °C / 085% RH
Storage temperature / humidity	-1070 °C / 095% RH
Protection: front / terminals	IP54 / IP20
Consumption	max. 2 VA
Warranty: BASI provides a 24-month warranty(date)	y for this device. Retailer:

v4-08.09

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MULTIFUNCTIONAL 2-PERIOD TIMER

BDT03

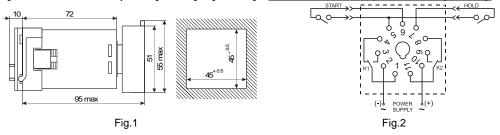
OPERATION MANUAL



BDT03 is a low-cost microprocessor-based device for time sequence control with a 48x48 mm DIN sized front panel. There are 2 adjustable time periods forming a time cycle and 4 different timing modes. Period duration is adjustable via push-wheel switch on the front panel. The timer has 2 contact inputs for external start and HOLD and 2 output relays for timing control of processes by switching on and off electrical actuators. The relay action as well as the start/restart mode can be programmed with a set of parameters. BDT03 is equipped with a 3-digit display, indicating the current time, the parameters, or the operating mode. All modes of operation and parameters are user-programmable through the front panel keyboard. The extended features of BDT03 simplify programming and timing process monitoring and make it a convenient solution of a wide range of problems.

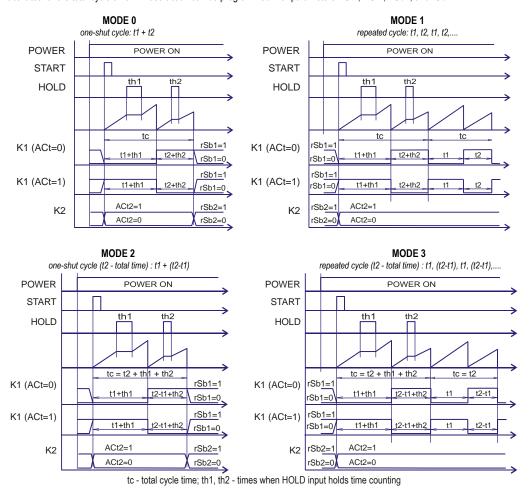
MOUNTING AND WIRING

Place BDT03 into a 45x45 mm panel cut-out (Fig.1) and tighten it into place using the snap-on mounting bracket. Wire the timer using OCTAL connector and strictly following the wiring diagram on Fig.2. Do not turn the power supply on while mounting and wiring



OPERATING

BDT03 has 2 contact control inputs for external (re)start (START) and time-counting hold-up (HOLD). Combinations of 2 adjustable time periods – t1(1st period, beginning after START) and t2 (2nd period or Total time) form 4 different timing modes (see time diagrams below). The duration of each period is adjustable within one of the following 5 sub-ranges: 0.00...9.99 sec, 0.0...99.9 sec, 0....999 min, and 0....999 min x 10. There are 2 control outputs - K1, which activates alternatively with t1 and t2, and K2, which activates for the total cycle time - whose action can be programmed with parameters ACt1, ACt2, rSb1, and rSb2.



PROGRAMMING Press & hold to enter Program stage stage <u>=</u> 5 0 3 œ ⊕ ⊕ |>> Press & hold for next parameter (depending on 5EL sel parameter!) Press & hold to see parameter value 5 0 3 Hold for 5 s to save the new value (message LEE confirms the saving) ⊕ ⊕ | Set Point for period t₁(when 5Et_sel =1) | Set Point for period t₂(when 5Et_sel =0) Press & hold for next parameter DISPLAY V d, Press & hold to see parameter value 2 Х Hold for 5 s to save the new value (message LEE confirms the saving) ⊕ ⊕ 0 - sec x 0.1 Time units for period t₂ Time units for period t. 2 - min 3 - min x10 **|>>** Press & hold for next 4 - sec x 0.01 DISPLAY narameter По Press & hold to see parameter value х х Hold for 5 s to save the new value (message LEE confirms the saving) ⊕ ⊕ ⅎ 0 - one-shut operation t, (first period) + t, (second period) Operation modes 1 - cyclic operation t, (first period) + t, (second period) 2 - one-shut operation t₁ (first period) of t₂ (total time) 3 - cyclic operation t₁ (first period) of t₂ (total time) Press & hold for next parameter DISPLAY V 2 R C -Press & hold to see parameter value 0 1 x Hold for 5 s to save the new value (message LEE confirms the saving) ⊕ ⊕ œ K2 state during active period K1 state after start Press & hold for next parameter |>> DISPLAY r Press & hold to see parameter value Χ Hold for 5 s to save the new value (message LEE confirms the saving) ⊕ ⊕ K2 inactive state 0 - off - K1 inactive state Press & hold for next parameter **|>>** 5 E E • • Press & hold to see parameter value 1 0 0 Hold for 5 s to save the new value (message LEE confirms the saving) ⊕ ⊕ ⊞ Select the period which will be AUTOMATICALLY read from the BCD switch | 1 - t2 Restart during the action 5EE_aut Automatic start at power on 1 - enabled Press & hold to return to Normal stage