




INTERMATIC T104 24 Hour Dial Time Switch Instruction Manual

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INTERMATIC T104 24 Hour Dial Time Switch



Product Information

Specifications

- Model: T104
- Type: 24 Hour Dial Time Switch
- Usage: Indoor use only
- Switch Type: Double Pole Single Throw (DPST)
- Resistive Load Capacity: 40A each pole, 120-480 VAC
- Inductive Load Capacity: 40A each pole, 120V-277 VAC
- Pilot Duty Load Capacity: 1000 VA each pole, 120V-277 VAC
- Tungsten Load Capacity: 40A each pole, 120-480 VAC
- Electronic Ballast Load Capacity: 16A, 277 VAC
- Motor Voltage: 208-277 VAC, 60 Hz

Product Usage Instruction1s

Wiring Instructions

1. Remove 1/2 inch of insulation from wire ends.
2. Tighten terminal screws firmly (2-18 in-lbs).
3. Use solid or stranded COPPER conductors only.
4. You may use two wires of the same size and type.

Minimum Copper Wire Size (AWG)

Load Type	14 AWG	12 AWG	10 AWG	8 AWG
Single Phase 120 V.	15 Amps	20 Amps	30 Amps	40 Amps
Single Phase 240 V.	90 Amps	90 Amps	90 Amps	90 Amps
3 Phase 208 V.	N/A	N/A	—	5 Amps
3 Phase 240 V.	N/A	N/A	—	5 Amps

Programming Instructions

1. To set on and off times:
 - Hold trippers against the edge of the CLOCK-DIAL, pointing to the desired time (AM or PM) for the ON and OFF operations.
 - Tighten tripper screws firmly. For additional tripper pairs on CLOCK-DIAL, order 156T1978A.
2. To set the time-of-day:
 - Pull the CLOCK-DIAL outward.
 - Turn it in either direction and align the exact time-of-day on the CLOCK-DIAL (the current time when the switch is being put into operation) to the pointer.
 - Do not move the pointer.

Operating Instructions

Turn the DIAL left or right as indicated by arrows. This will not affect the next operation. See programming instructions for setting the ON and OFF times.

FAQ

• **Q: Can I use stranded aluminum conductors instead of copper?**

A: No, you must use solid or stranded COPPER conductors only.

• **Q: How do I order replacement parts for the clock motor?**

A: To order a replacement clock motor, indicate the part number (WG—) on the motor cover.

MODEL: T104

24 HOUR DIAL TIME SWITCH

TYPE 1 INDOOR USE ONLY

DOUBLE POLE SINGLE THROW (DPST)

40 A RESISTIVE EACH POLE, 120-480 VAC

40 A INDUCTIVE, TUNGSTEN OR 1000 VA PILOT DUTY EACH POLE 120V-277 VAC;

2 HP (24 FLA) – 120 VAC; 5 HP (28 FLA) – 240 VAC 16 A ELECTRONIC BALLAST, 277 VAC

WARNING Risk of Fire or Electric Shock

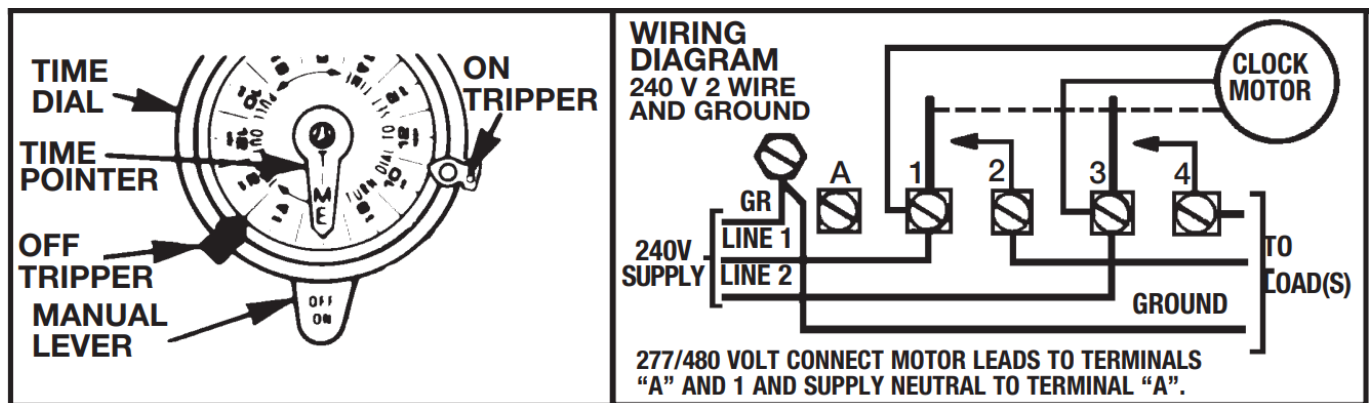
- Disconnect power at the circuit breaker(s) or disconnect switch(es) before installing or servicing.
- Installation and/or wiring must be in accordance with national and local electrical code requirements.
- Use wires rated at least 90°C – COPPER conductors ONLY.
- Replace plastic insulator covering terminals before powering ON.
- KEEP DOOR CLOSED AT ALL TIMES when not servicing.

NOTICE

- Rotate timer dial clockwise only.
- Do not move the clock hands on the timer. Moving the clock hands can damage the timer.

CLOCK MOTOR: 208-277 VAC, 60 HZ.

CLOCK MOTOR VOLTAGE AND CYCLE MUST BE AS SPECIFIED. TO ORDER REPLACEMENT, INDICATE PART NO. (WG-) ON MOTOR COVER.



WIRING INSTRUCTIONS: Remove 1/2 inch of insulation from wire ends. Tighten terminal screws firmly (2-18 in-lbs). Use solid or stranded COPPER conductors only. May use two wires of the same size and type.

MINIMUM COPPER WIRE SIZE (AWG)	MAX. LOAD (AMP)	MIN. INSUL- ATION TEMP(°C)	75°C INSULATION MAX. MOTOR LOAD (HP)			
			SINGLE PHASE		3 PHASE	
			120 V.	240 V.	208 V.	240 V.
14	15	90	1/2	2	N/A	N/A
12	20	90	1	2 1/2		
10	30	90	2	3		
8	40	90	-	5		

The diagram shows a close-up of the terminal screw and pressure plate. Labels include 'PRESSURE PLATE', 'TERMINAL SCREW', and 'MAKE SURE WIRE INSULATION CLEARS PRESSURE PLATE'.

PROGRAMMING INSTRUCTIONS

1. TO SET "ON" AND "OFF" TIMES: Hold trippers against edge of CLOCK-DIAL, pointing to time (AM or PM) when ON and OFF operations are desired, tighten tripper screws firmly. For additional tripper pairs on CLOCK-DIAL order 156T1978A.
2. TO SET TIME-OF-DAY: Pull CLOCK-DIAL outward. Turn in either direction and align the exact time-of-day on the CLOCK-DIAL (the time now, when switch is being put into operation) to the pointer. DO NOT MOVE POINTER.

OPERATING INSTRUCTIONS

- TO OPERATE SWITCH MANUALLY: Move MANUAL LEVER below CLOCK-DIAL left or right as indicated by arrows. This will not effect next operation.
- IN CASE OF POWER FAILURE, reset CLOCK-DIAL to proper time-of-day. See programming instructions.

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Documents / Resources



[INTERMATIC T104 24 Hour Dial Time Switch](#) [pdf] Instruction Manual
 T104 24 Hour Dial Time Switch, T104, 24 Hour Dial Time Switch, Hour Dial Time Switch, Dial Time Switch, Time Switch, Switch

References

- [Manual-Hub.com – Free PDF manuals!](#)
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