

# MODEL: T105 24 HOUR DIAL TIME SWITCH



ONE NORMALLY OPEN - ONE NORMALLY CLOSED CONTACTS  
MAY BE WIRED AS SINGLE POLE DOUBLE THROW  
40 AMP. RESISTIVE, INDUCTIVE, TUNGSTEN OR  
1000 VA. PILOT DUTY PER POLE - 120/208/240VOLT AC;  
2 HP (24 FLA) - 120V AC; 5 HP (28 FLA) - 240V AC.

**CLOCK MOTOR: 110-125 VOLTS - 60 HZ.**

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

**WIRING DIAGRAM**

TYPICAL WIRING: SINGLE POLE NORMALLY OPEN  
SEE WIRING INSTRUCTIONS BELOW FOR OTHER TYPES

**WIRING INSTRUCTIONS:** To wire switch follow diagram above. To wire as **SINGLE POLE NORMALLY CLOSED**, move clock motor lead from terminal 3 to 1, and connect **LINE** to 1, **LOAD** to 2. To wire as **SINGLE POLE DOUBLE THROW**, install jumper (the same gauge as **Line** wire) between 2 and 3 and connect **LINE** to 2, **LOADS** to 1 and 4. **NEUTRAL** connection always as shown. Use **COPPER** wire only. For gauge selection and wire connection, see details below. Use 3/16 or larger screwdriver, tighten terminal screws firmly (25lb-in minimum).

**REPLACE INSULATOR BEFORE TURNING ON ELECTRICITY.**

MINIMUM COPPER WIRE SIZE (AWG)	MAX. LOAD (AMP)	MIN. INSULATION TEMP(°C)	75°C INSULATION MAX. MOTOR LOAD (HP)			
			SINGLE PHASE		3 PHASE	
			120 V.	240 V.	208 V.	240 V.
14	15	60	1/2	2		
12	20	60	1	2 1/2	N/A	N/A
10	30	60	2	3		
8	40	75	-	5		

**PRESSURE PLATE**

**TERMINAL SCREW**

**MAKE SURE WIRE INSULATION CLEARS PRESSURE PLATE**

## PROGRAMMING INSTRUCTIONS

- 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.
- 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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