

# MODEL: T20004R

## CLASS CTL DISTRIBUTION/CONTROL PANEL WITH TIME SWITCH

**IN RAINPROOF (TYPE 3R) ENCLOSURE SUITABLE FOR SWIMMING POOL/SPA APPLICATIONS. 60 AMP 120/240 VOLT OR 120/208 VOLT SINGLE PHASE, (THREE WIRE) AC**

*The short circuit rating of this panel is 5000 symmetrical amperes or, limited to the lowest interrupting rating of any installed device.*

**IMPORTANT:** This control panel must be installed according to the National Electrical Code (including article 680) and local code requirements. The main lugs and neutral main are suitable for No. 14 to 3 AWG **COPPER** conductors. Use No. 14 to 6 AWG **COPPER** conductors for branch circuit wiring. Follow gauge selection table and corresponding terminal screw tightening torque requirements below. Install interchangeable circuit breakers with an interrupting current rating of 10000 symmetrical amperes, or higher. See list of suitable types below. Follow manufacturers instructions for installing and testing of ground fault circuit breakers (GFCB) and interrupters (GFCI). Install only APPROVED receptacle(s) and/or wiring device(s) inside the enclosure. An APPROVED wiring device may be installed in the rectangular side knock-out provided. When panel is outdoors, an APPROVED rainproof cover must be installed over the wiring device in the side knockout. If this control requires bonding, attach an APPROVED bonding terminal of a suitable size using the mounting hole provided on the bottom of the enclosure. After wiring, install front panel over wiring compartment and close unused breaker openings with filler plates. **KEEP DOOR CLOSED AT ALL TIMES.**

SUITABLE LISTED BREAKERS					
MANUFACTURER	CIRCUIT BREAKER				FILLER PLATE
	STD.	TWIN	QUAD	GFCB	
CROUSE-HINDS	MP	MH	--	MP115GF	FP-1
CUTLER-HAMMER	BR	BD	BQ	GFCB	FP-1
G.E.	THQL	--	--	THQLGF	THFP
SIEMENS/ITE	QP	QT	Q2	QPF	QF-3
SQUARE D	HOM	HOMT	--	HOM-GFI	FP
THOMAS & BETTS	TB	TBBD	TBBQ	GFB	FP

WIRING INFORMATION - COPPER CONDUCTORS					
MINIMUM WIRE SIZE AND TEMP.	MAXIMUM CURRENT CAPACITY	CIRCUIT BREAKER RATING*	MAX. MOTOR LOAD 75° C. INSULATION		TERMINAL TIGHTENING TORQUES
			120V.	240V.	
AWG.-Deg. C	AMP	AMP	HP	HP	LB-IN
14-60	15	15	1/2	2	20
12-60	20	20	1	3	20
10-60	30	30	2	5	20
8-60/75	40/50	40/50	--	--	25
6-60/75	55/65	55/60	--	--	35

### TIME SWITCH RATINGS: (DPST)

40 AMP, RESISTIVE, INDUCTIVE, TUNGSTEN OR 1000 VA PILOT DUTY - 120/208/240 VOLT A.C.  
2 HP (24 FLA)-120 VOLT A.C., 5 HP (28 FLA)-240 VOLT A.C.

### CLOCK MOTOR: 208/277 VOLTS - 60 HZ.

(to order clock motor replacement, specify part no. WG - on motor cover)

\*Temperature rating of breaker must not be lower than the insulation rating of the conductor.

### TIME SWITCH OPERATING 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.

#### 2. TO SET TIME-OF-DAY:

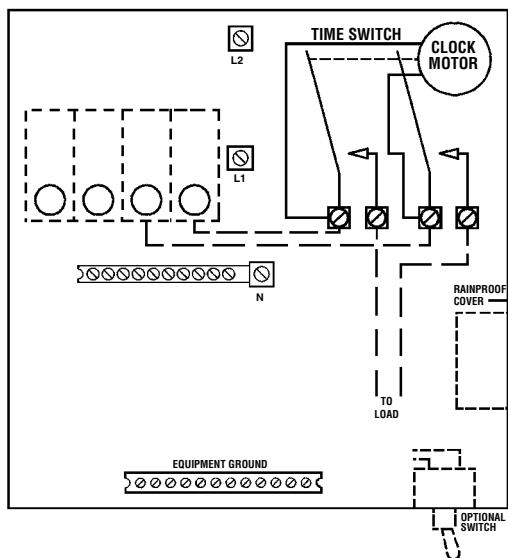
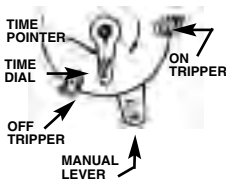
Pull CLOCK-DIAL outward. Turn in either direction and align the exact time-of-day on the CLOCK-DIAL (the time now, when switch is being put into operation) to the pointer.

-DO NOT MOVE POINTER-

• **TO OPERATE SWITCH MANUALLY:** Move MANUAL-LEVER below left or right as indicated by arrows. This will not affect the next operation.

• **FOR MORE THAN ONE DAILY ON-OFF OPERATION:** Place additional tripper pairs on CLOCK-DIAL (order 156T1978A).

• **IN CASE OF POWER FAILURE:** Reset CLOCK-DIAL to proper time of day. See step 2 above.



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