

# MODEL: PF112T

IN RAINPROOF (TYPE 3R) ENCLOSURE FOR INDOOR/OUTDOOR USE.  
SUITABLE FOR SWIMMING POOL/SPA APPLICATIONS AND  
FOR DIRECT CONNECTION OF UNDERWATER LIGHTS.

3 H.P. - 240 VAC, 60 HZ., RUNNING LOAD NOT TO EXCEED 17 AMPS

ONE CIRCUIT CONTROL PANEL  
WITH FREEZE PROTECTION



**IMPORTANT:** This control panel must be installed according to the National Electrical Code (including article 680) or Canadian Electrical Code (including section 68) and local code requirements. This installation is subject to the approval by the local inspection authority. Follow manufacturers instructions for installing and testing of ground fault circuit 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 knockout provided. When panel is outdoors, an APPROVED rainproof cover must be installed over the wiring device in the side knockout. If this enclosure is used for direct connection of underwater lights, refer to 1999 NEC 680-21(b), 2002 NEC 680-24(b) or CEC 68-060, 062 and 066 for further details. This control should not be connected to any equipment which would cause bodily injury or property damage should it be activated unexpectedly. After wiring, install front panel over wiring compartment. **KEEP DOOR CLOSED AT ALL TIMES.**

## NOTES:

1. If this control panel requires bonding, attach an APPROVED bonding terminal of a suitable size using the mounting hole(s) provided on the bottom of the enclosure (156T11047A may be ordered).

2. Wiring devices may be installed in this control panel (order 21T156A (4) Standoffs for mounting.)

## TO TEST FREEZE PROTECTION:

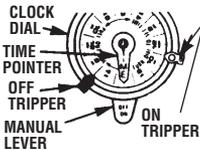
- 1.) Turn OFF electricity, remove front plate and turn thermostat dial to its lowest setting.
- 2.) Place crushed ice (in plastic bag) inside capillary coil of thermostat in wiring compartment.
- 3.) Turn ON power, wait one minute, then slowly turn thermostat dial to counter clockwise direction until filter pump starts.
- 4.) Turn OFF electricity, remove ice and reinstall front plate.

## TO OPERATE FREEZE PROTECTION:

Set thermostat dial to desired "Turn ON" temperature, between 32°F and 45°F. NOTE: Compensation should be made if enclosure is exposed to sun. The thermostat is factory set to turn OFF the Filter Pump when the ambient temperature rises 5°F above its set point.

## 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 CLOCK-DIAL left or right as indicated by arrows. This will not affect 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.

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

(TO ORDER CLOCK MOTOR REPLACEMENT, SPECIFY PART NO., WG--ON MOTOR COVER)

## WIRING INFORMATION - COPPER CONDUCTORS ONLY

WIRE SIZE 75 °C MIN INSULATION	TERMINAL TORQUE	MAX MOTOR LOAD (CONTINUOUS DUTY)		GENERAL PURPOSE BRANCH CIRCUIT BREAKER RATING	GENERAL PURPOSE BRANCH CIRCUIT MAXIMUM CURRENT CAPACITY
		120V.	240V.		
AWG	LB-IN	HP	HP	AMP	AMP
14	20	1/2	1	15	12
12	20	1	2	20	16
10	20	1 1/2	3	30	24
8	25	2	5	40	32

