http://waterheatertimer.org/Digital-control-centers-and-manuals.html#RC2163BFE

MODEL: RC2163BFE

REMOTELY OPERATED POOL/SPA CONTROL

151753 US

RAINPROOF TYPE 3R ENCLOSURE SUITABLE FOR POOL/SPA APPLICATIONS. SUITABLE FOR SWIMMING POOL/SPA APPLICATIONS AND FOR DIRECT CONNECTION TO A WET-NICHE OR NO-NICHE LUMINAIRE.

100 A,120/240 V or 120/208 V single phase (three wire) AC, 60 Hz

The short circuit rating of this panel is 10000 RMS symmetrical amperes

FILTER PUMP: 1.5 HP, 120 V; 3 HP, 240 VAC Max. VÁLVE ACTUATOR: 24 V up to 3 actuators

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 Electrical Code (Article 680)/Canadian Electrical Code (Section 68) and local electrical code requirements and is subject to approval by the local inspection authority.

 Use #14 - #6 AWG COPPER conductors ONLY, rated 75° C min., for branch circuit and #14 - #2 AWG for main lugs and neutral main.
- This control should not be connected to any equipment which would cause bodily injury or property damage should it be activated unexpectedly.
- Replace front panel covering terminals before powering ON. KEEP DOOR CLOSED AT ALL TIMES when not servicing.

AVERTISSEMENT Risque d'incendie ou d'électrocution

- L'installation et le câblage doivent être réalisés conformément au Code national de l'électricité (article 680//Code canadien de l'électricité (section 68) et aux exigences des normes électriques régionales et sont soumis à l'approbation de l'organisme de contrôle local.
- Utiliser UNIQUEMENT des conducteurs en CUIVRE de 14 à 6 AWG, évalués à 75 °C min, pour le circuit de dérivation et de 14 à 2 AWG pour les cosses principales et le fil neutre.

By activating the control from a remote location, the Filter Pump, Valves and Heater will function in the following sequences:

EQUIPMENT	POOL MODE SEQUENCE #1	SPA MODE SEQUENCE #2		
Filter Pump	Timer Controlled	"ON" (continuous)		
Valves	Set to Pool Circulation	Set to Spa Circulation		
Heater	Pool Temperature Setting	Spa Temperature Setting		

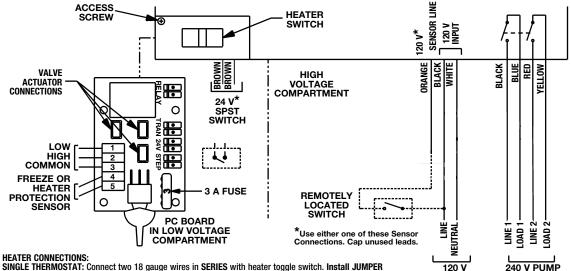
CHITARI E LICTED DEFAMENC								
SUITABLE LISTED BREAKERS								
		CIRCUIT BREAKER				FILLER		
MANUFACTURER	SINGLE	DOUBLE	TWIN	QUAD	GFCB	PLATE		
CUTLER-HAMMER	BR	BR	BRD	BRD	GFCB	BRFP		
MURRAY	MP-T	MP-T	MH-T	MH-T	MP-GT	LX100FP		
SIEMENS	QP	QP	QT	QT	QPF	QF3		
SQUARE D	HOM	HOM	HOMT	HOMT	ном	HOMFP		
GE (up to 40 A)	THQL	THQL			THQL-GF, GF1	THFILLER		

l	WIRING INFORMATION - COPPER CONDUCTORS ONLY									
l			TERMINAL	TORQUE ^a	MAX MOTOR		GENERAL PURPOSE			
ı		SUPPLY	LINE AND		LOAD		BRANCH CIRCUIT			
1	WIRE SIZE	CIRCUIT	NEUTRAL	NEUTRAL (CONTINUOUS				MAX		
ı	75°C MIN	Breaker	MAIN	AND	` DUTY)		Breaker	CURRENT		
ı	INSULATION	RATING	LUGS	GROUND	120 V	240 V	RATING	CAPACITY		
ı	AWG	AMP	LB-IN	LB-IN	HP	HP	AMP	AMP		
ı	14	15	35	20	1/2	1	15	12		
•	12-2	20	35	20	1	2	20	16		

*TORQUE CIRCUIT BREAKER LUGS TO VALUES SPECIFIED ON CIRCUIT BREAKERS

CONTROL

SUPPLY



SINGLE THERMOSTAT: Connect two 18 gauge wires in SERIES with heater toggle switch. Install JUMPER between terminals 1 and 2. Place heater switch in ON position.

DUAL THERMOSTAT: Connect three 18 gauge wires in PARALLEL with heater toggle switch. Connect center post (COMMON) to term. 3, LOW to term. 1 and HIGH to term. 2. Place heater switch in OFF position.

120 V Hook-Up: Connect the two BLACK leads to LINE. Connect WHITE lead of Control and WHITE lead of LOAD to NEUTRAL. Connect BLUE lead to LOAD. RED and YELLOW leads are not used and must be insulated (capped). Valve actuator and heater connections are the same as the 240 V hook-up as shown. INTERMATIC INCORPORATED

SUPPLY/LOAD