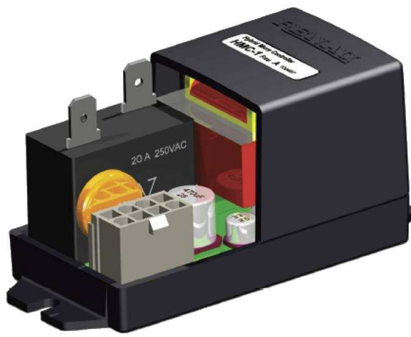




RENAU Controls - Custom Controller Programming



HMC-1 Module



SRP-5 Display

ITEM	REV-A (10/20/2007)	REV-B (10/20/2008)	REV-C (01/31/2009)
HYSTERESIS	15 °F		
USER RANGE (MEDIUM TEMP)	20 °F ~ 50 °F		
USER RANGE (LOW TEMP)	-10 °F ~ +10 °F		
DISPLAY SHOWS	SETPOINT TEMP.		
SETPOINT (DEFAULT)	30 °F OR 0 °F		
DISPLAY OFFSET (ADJUSTABLE)	YES (SEE BELOW)		
POWER ON COMPRESSOR DELAY	1 MINUTE		
MINIMUM COMPRESSOR RUN TIME	5 MINUTES		
MINIMUM COMPRESSOR OFF TIME	12 MINUTES		
DEFROST CYCLE	4 / 24 HRS	6 / 24 HRS	
DEFROST TERMINATION (TEMP.)	50 °F (ACTUAL)		
DEFROST TERMINATION (TIME)	20 MINUTES		60 MINUTES

COMMISSIONING OFFSET (HOLD BOTH ↑↓ KEYS FOR 10 SECONDS)			
DISPLAY	OFFSET (°F)	USER RANGE	DEFAULT SETPOINT
P00	0	20 °F ~ 50 °F	30 °F
P01	1	20 °F ~ 50 °F	30 °F
P02	2	20 °F ~ 50 °F	30 °F
P03	3	20 °F ~ 50 °F	30 °F
~	~	~ ~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~ ~
P19	19	20 °F ~ 50 °F	30 °F
P20	0	-10 °F ~ +10 °F	0 °F
P21	1	-10 °F ~ +10 °F	0 °F
P22	2	-10 °F ~ +10 °F	0 °F
P23	3	-10 °F ~ +10 °F	0 °F
~	~	~ ~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~ ~
P39	19	-10 °F ~ +10 °F	0 °F

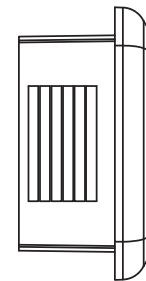
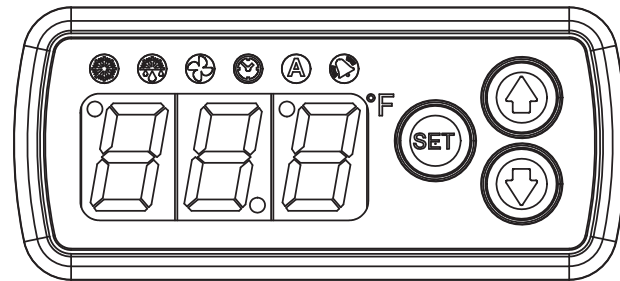
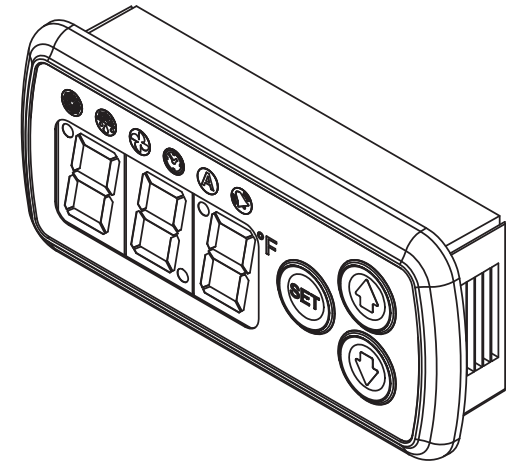
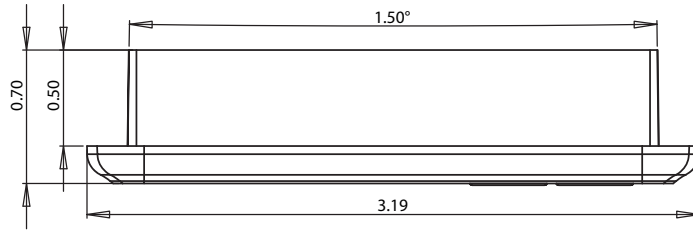
NOTE:

URS-1 AND **ARFG-42FB** UNITS MUST BE COMMISSIONED TO OPERATE WITH A **P15** OFFSET IN ORDER TO OPERATE CORRECTLY.

FAILURE TO DO THIS PROCEDURE WILL RESULT IN WRONG OPERATING TEMPERATURES !

TO COMMISSION THE UNIT HOLD BOTH **↑↓** KEYS FOR 10 SECONDS UNTIL P00 FLASHES. USE **↑↓** KEYS TO SELECT APPROPRIATE NUMBER AND PRESS THE **SET** KEY.

P4 4 Pin Molex Connector	
1	+5VDC
2	GROUND
3	SINGLE WIRE (HOST SIDE)
4	SINGLE WIRE (SLAVE SIDE)



- FEATURES:
1. SINGLE WIRE RENAU NETWORK ENABLE.
 2. 6 LED INDICATORS
 3. 3 0.56" 7 SEGMENT DISPLAYS
 4. 3 TACTILE PUSH BUTTONS
 5. OPERATING TEMPERATURE 0-80°C(32-176°F).
 6. 5VDC INPUT VOLTAGE
 - 7.
 8. FULLY ENCAPSULATED

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		UNLESS OTHERWISE SPECIFIED:			DRAWN		NAME	DATE	TITLE:		
		DIMENSIONS ARE IN INCHES			DRAWN		zR	9/30/08	SRP-5 SMART REFRIGERATION MODULE		
		TOLERANCES:			CHECKED				SIZE DWG. NO. REV		
		FRACTIONAL ± .005			ENG APPR.				C 45E4000 1		
		ANGULAR MACH ± .5			MFG APPR.				SCALE: 2:1 WEIGHT: SHEET 1 OF 1		
		TWO PLACE DECIMAL ±.015			Q.A.						
		THREE PLACE DECIMAL ±.005			INTERPRET GEOMETRIC TOLERANCING PER:		COMMENTS:				
		MATERIAL			NEXT ASSY		USED ON				
		FINISH			APPLICATION		DO NOT SCALE DRAWING				



FEATURES:

- 6 LED Backlit Icons
- 3 x 7-Segment Displays
- Operating Temperature: 0-80°C (32-176°F)

BENEFITS:

- Durable and reliable.
- Simple, inexpensive installation.
- Requires minimal panel space.
- Fast, convenient user-interface.
- Fully-encapsulated for maximum protection in harsh environments
- Low power consumption.
- Easily upgradeable and scaleable.

DIMENSIONS:

1.42"W x 3.19"L x 0.5"D

WARRANTY:

Every Renau product is thoroughly tested at numerous stages of production and comes with an extended three (3) year warranty.

WIDE RANGE OF APPLICATIONS:

Ideal for commercial foodservice equipment such as ovens, food warming/holding cabinets, fryers, refrigeration equipment, steamers, industrial machines, and more.

Command complete control in your kitchen with Renau's Single Wire Communication SRP-5 Smart Refrigeration Panel Module. With our custom-tailored controller, anything you can imagine, we can control. Specifically designed with the food industry and refrigeration applications in mind, Renau's SRP-5 Smart Refrigeration Panel Module combines with any of our Hybrid Micro Controllers to easily adapt to any situation your kitchen equipment, refrigeration, or foodservice application requires.

With a slim, contemporary design, the SRP-5 is an extremely compact, intuitive display interface device that is aesthetically pleasing and can be placed virtually anywhere on your industrial equipment. It is the only refrigeration module offered by any control manufacturer to measure only ½" in depth.

Using Renau's Single Wire Communication Network, the SRP-5 connects to Renau's compact, patented Hybrid Micro Control Series process controllers to power even the most intensive and demanding applications. Operators and customers see a sleek, elegant display that can be mounted anywhere on the appliance, from door panels and edges to frames and more, eliminating expensive, complicated harnesses while keeping the process controller out of sight within the controlled equipment.

Energy efficiency comes from the unique design and custom programming of the SRP-5. Low voltage operation saves energy costs and eliminates the need to bring high voltage to the front of your industrial appliance.

The easy-to-use interface simplifies operator training and reduces the amount of time necessary to carry out processes. With six bright, LED backlit icons and a very easy-to-use push-button interface, the SRP-5 can fit any application.

Despite its small size, fully-customizable warning lights alert operators to any errors or potential problems, while built-in fault detection quickly and clearly identifies the cause of the error, cutting down on both valuable troubleshooting time and food waste.

Easily upgradeable and fully reprogrammable, each of our process controllers allows recipe menus and system configurations to be quickly updated through the mediation of Renau's Universal Host Adaptor (UHA) and custom Windows-based software. When it comes time to update the system, simply save the desired file onto a USB flash drive and reprogram the process controller with the use of a Renau UHA Series Adaptor. Once the process controller is updated, the SRP-5 will automatically have access to the latest programming.

Designed with the foodservice industry's harsh environments and the unique requirements of refrigeration applications specifically in mind, the SRP-5 is fully encapsulated for outstanding protection from extreme temperatures, humidity, and shock. Designed and manufactured in the USA, all Renau products are rigorously tested and come with an extended three year warranty.

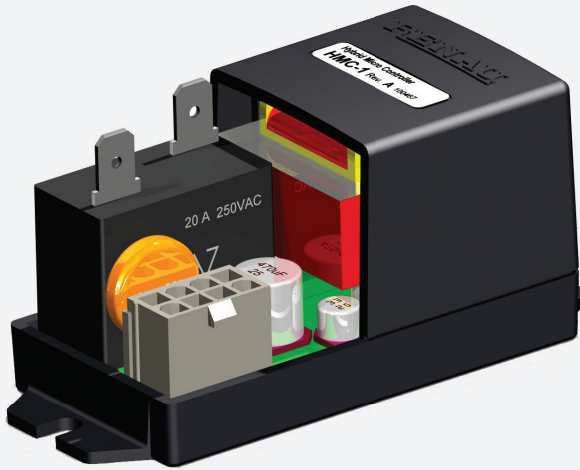
RENAU®

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Phone: (888) 341-9500 Fax: (818) 341-8063

www.renau.com info@renau.com

"We do more than design. We invent"





SINGLE WIRE
COMMUNICATION



HYBRID

FEATURES:

- 1 x 20Amp 250V Hybrid Output
- 1 x 1A TRIAC Output (optional)
- 1 Temperature Sensor Input
- Regulated 5VDC Output
- 120VAC Input
- Operating Temperature: 0-80°C (32-176°F)

BENEFITS:

- Durable and reliable.
- Simple, inexpensive installation.
- Eliminates expensive, complicated wiring harnesses.
- Compatible with any Renau Single Wire Communication interface.
- Fully-encapsulated for maximum protection in harsh environments
- Low power consumption.
- Easily upgradeable and scaleable.

DIMENSIONS:

3.475"W x 1.5"H x 1.575"D

WARRANTY:

Every Renau product is thoroughly tested at numerous stages of production and comes with an extended three (3) year warranty.

WIDE RANGE OF APPLICATIONS:

Ideal for commercial foodservice equipment such as ovens, food warming/holding cabinets, fryers, refrigeration equipment, steamers, industrial machines, and more.



REGISTERED COMPANY
Chatsworth, California USA

Command complete control in your kitchen with Renau's Single Wire Communication HMC-1 Hybrid Micro Controller Module. With our custom-tailored controller, anything you can imagine, we can control. Specifically designed with the food industry in mind, Renau's HMC-1 Hybrid Micro Controller Module combines with any of our interface devices to easily adapt to any situation your kitchen equipment, refrigeration, or foodservice application requires.

With a compact, durable design, the HMC-1 replaces conventional multi-part controllers with a single microprocessor-based control that significantly increases reliability and product life while reducing the end-user's labor, maintenance, and inventory costs.

Using Renau's Single Wire Communication Network, the HMC-1 connects to any of Renau's compact, intuitive user-interface displays to power even the most intensive and demanding applications. Operators and customers see a sleek, elegant display that can be mounted anywhere on the appliance, from door panels and edges to frames and more, eliminating expensive, complicated harnesses while keeping the HMC-1 out of sight within the controlled equipment.

Energy efficiency comes from the unique design and custom programming of the HMC-1. With extremely accurate controls for digital temperature, water level, water flow, timers, and processes integrated right inside, the HMC-1 requires very little power but offers a lot of performance.

Despite its small size, built-in fault detection quickly and clearly identifies the cause of the error, cutting down on both valuable troubleshooting time and food waste. If a possible problem is detected, fully-customizable warning lights on the display interface alert operators to any errors or potential problems

Easily upgradeable and reprogrammable, our process controllers easily allow new menu items to quickly be added as soon as they become available.

Designed with the foodservice industry's harsh environments specifically in mind, the HMC-1 is fully encapsulated for outstanding protection from extreme temperatures, humidity, and shock. Designed and manufactured in the USA, all Renau products are rigorously tested and come with an extended three year warranty.

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