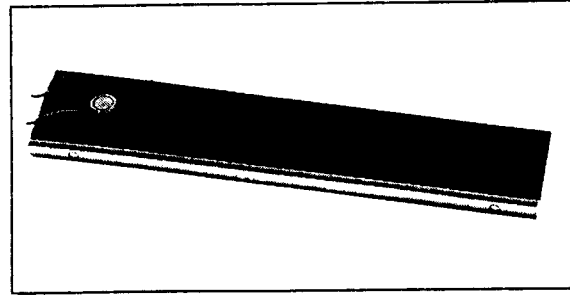




SRFE Series Enclosure Heaters

INSTRUCTION
SHEET

M2172/0795



General Description

The OMEGALUX® SRFE Series Enclosure Heaters are rated for 5 watts per square inch at 115 V. They feature an etched foil element encapsulated between layers of fiberglass reinforced silicone rubber, and are factory vulcanized to an aluminum mounting plate. Mounting plates come with 7/16" (11 mm) holes for mounting to a subpanel or other mounting surface.

The built-in air sensing thermostat maintains the temperature within the enclosure to prevent freezing or condensation. The SRFE enclosure heaters are mounted vertically or horizontally using the mounting plate, however, optional temperature control is achieved when mounting the heater vertically. Options for the SRFE heaters include custom sizes and remote mounted thermostats.

Mounting

Vertical Mounting

For vertically mounted applications (the preferred method), a direct mounted thermostat is recommended with the thermostat located at the lower end.

Horizontal Mounting

For horizontal applications, use the remote mounted thermostat. This senses air temperature, and is applied by using the two pre-punched 7/16" diameter holes and screws provided.

Mounting Plate

SRFE Series heaters are also available with mounting plates. These plates come with 7/16" holes for mounting to a sub-panel or other mounting surface.

CAUTION

1. Leave enough clearance between heater and components to avoid thermal damage.
2. Do not cut or put holes in heaters.
3. Do not insulate over heaters or immerse in liquids.
4. Avoid exposing heaters to chemicals that could cause ignition.
5. Heaters must be mounted to a heat sink, do not suspend in free air.
6. Heaters without a thermostat must have adequate temperature control to avoid overheating.

Available Models

Model Number	Length & Width inches (mm)	Wattage	Thermostat Setpoint	
			Opens	Closes
SRFE-6	6 x 2.5 (152 x 64 mm)	60	none	none
SRFE-6-40	6 x 2.5 (152 x 64 mm)	60	60°F ±5	40°F ±5
SRFE-6-105	6 x 2.5 (152 x 64 mm)	60	140°F ±5	110°F ±5
SRFE-6-150	6 x 2.5 (152 x 64 mm)	60	180°F ±5	150°F ±5
SRFE-12	12 x 2.5 (305 x 64 mm)	120	none	none
SRFE-12-40	12 x 2.5 (305 x 64 mm)	120	60°F ±5	40°F ±5
SRFE-12-105	12 x 2.5 (305 x 64 mm)	120	140°F ±5	110°F ±5
SRFE-12-150	12 x 2.5 (305 x 64 mm)	120	180°F ±5	150°F ±5

Specifications

Operating Temperature:	-40 to 350°F (-40 to 176°C)
Voltage:	115 Vac
Watt Density:	5 W/in ²
Width:	2.5" (64 mm)
Thickness:	0.125" (3 mm)
Flange Width:	0.5" (13 mm)
Mounting Holes:	7/16" (11 mm) ID, located 1" (25 mm) in from each end
Leads:	48" (1219 mm) long, 22 AWG Teflon insulated, UL/CSA



WARRANTY

OMEGA warrants this unit to be free of defects in materials and workmanship and to give satisfactory service for a period of **13 months** from date of purchase. OMEGA Warranty adds an additional one (1) month grace period to the normal **one (1) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product. If the unit should malfunction, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective it will be repaired or replaced at no charge. However, this WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of being damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components which wear or which are damaged by misuse are not warranted. These include contact points, fuses, and triacs.

OMEGA is glad to offer suggestions on the use of its various products. Nevertheless, OMEGA only warrants that the parts manufactured by it will be as specified and free of defects.

OMEGA MAKES NO OTHER WARRANTIES OR REPRESENTATIONS OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED, EXCEPT THAT OF TITLE AND ALL IMPLIED WARRANTIES INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED.

LIMITATION OF LIABILITY: The remedies of purchaser set forth herein are exclusive and the total liability of OMEGA with respect to this order, whether based on contract, warranty, negligence, indemnification, strict liability or otherwise, shall not exceed the purchase price of the component upon which liability is based. In no event shall OMEGA be liable for consequential, incidental or special damages.

Every precaution for accuracy has been taken in the preparation of this manual; however, OMEGA ENGINEERING, INC. neither assumes responsibility for any omissions or errors that may appear nor assumes liability for any damages that result from the use of the products in accordance with the information contained in the manual.

SPECIAL CONDITION: Should this equipment be used in or with any nuclear installation or activity, purchaser will indemnify OMEGA and hold OMEGA harmless from any liability or damage whatsoever arising out of the use of the equipment in such a manner.



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RETURN REQUESTS / INQUIRIES

Direct all warranty and repair requests/inquiries to the OMEGA ENGINEERING Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.

FOR WARRANTY RETURNS, please have the following information available BEFORE contacting OMEGA:

1. P.O. number under which the product was PURCHASED.
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR NON-WARRANTY REPAIRS OR CALIBRATION, consult OMEGA for current repair/calibration charges. Have the following information available BEFORE contacting OMEGA:

1. P.O. number to cover the COST of the repair/calibration,
2. Model and serial number of product, and
3. Repair instructions and/or specific problems relative to the product.

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