



File E362300

Vol 1

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FOLLOW-UP SERVICE PROCEDURE
(TYPE R)

COMPONENT - SHEATHED HEATING ELEMENTS
(UBJY2,UBJY8)

Manufacturer: SEE ADDENDUM FOR MANUFACTURER LOCATIONS

56273 (Party Site)

Applicant: TERMOREGOLATORI CAMPINI - COREL SPA
(589926-001) VIA DON GUANELLA 1
22066 MARIANO COMENSE CO ITALY

56273 (Party Site)

Recognized Company: SAME AS APPLICANT
(589926-001)

This Follow-Up Service Procedure authorizes the above Manufacturer(s) to use the marking specified by UL LLC, or any authorized licensee of UL LLC, including the UL Contracting Party, only on products when constructed, tested and found to be in compliance with the requirements of this Follow-Up Service Procedure and in accordance with the terms of the applicable service agreement with UL Contracting Party and any applicable Service Terms. The UL Contracting Party for Follow-Up Services is listed on addendum to this Follow-Up Service Procedure ("UL Contracting Party"). UL Contracting Party and UL LLC are referred to jointly herein as "UL."

UL further defines responsibilities, duties and requirements for both Manufacturers and UL representatives in the document titled, "UL Mark Surveillance Requirements" that can be located at the following web-site: <http://www.ul.com/fus> and in the document titled "UL and Subscriber Responsibilities" that can be located at the following website: <http://www.ul.com/responsibilities>. Manufacturers without Internet access may obtain the current version of these documents from their local UL customer service representative or UL field representative. For assistance, or to obtain a paper copy of these documents or the applicable Service Terms, please contact UL's Customer Service at <http://www.ul.com/global/eng/pages/corporate/contactus>, select a location and enter your request, or call the number listed for that location.

The Applicant, the specified Manufacturer(s) and any Recognized Company in this Follow-Up Service Procedure must agree to receive Follow-Up Services from UL Contracting Party. If your applicable agreement is a Global Services Agreement ("GSA") with an effective date of January 1, 2012 or later and this Follow-Up Service Procedure is issued on or after that effective date, the Applicant, the specified Manufacturer(s) and any Recognized Company will be bound to a Service Agreement for Follow-Up Services upon the earliest by any Subscriber of use of the prescribed UL Mark, acceptance of the factory inspection, or payment of the Follow-Up Service fees which will incorporate such GSA, this Follow-Up Service Procedure and the Follow-Up Service Terms which can be accessed by clicking here: <http://www.ul.com/contracts/Terms-After-12-31-2011>. In all other events, Follow-Up Services will be governed by and incorporate the terms of your applicable service agreement and this Follow-Up Service Procedure.

It is the responsibility of the Recognized Company to make sure that only the products meeting the aforementioned requirements bear the authorized Marks of UL LLC, or any authorized licensee of UL LLC.

This Follow-Up Service Procedure contains information for the use of the above Manufacturer(s) and representatives of UL and is not to be used for any other purpose. It is provided to the Manufacturer with the understanding that it will be returned upon request and is not to be copied in whole or in part.

This Follow-Up Service Procedure, and any subsequent revisions, is the property of UL and is not transferable. This Follow-Up Service Procedure contains confidential information for use only by the above named Manufacturer(s) and representatives of UL and is not to be used for any other purpose. It is provided to the Subscribers with the understanding that it is not to be copied, either wholly or in part unless specifically allowed, and that it will be returned to UL, upon request.

Capitalized terms used but not defined herein have the meanings set forth in the GSA and the applicable Service Terms or any other applicable UL service agreement.

UL shall not incur any obligation or liability for any loss, expense or damages, including incidental, consequential or punitive damages arising out of or in connection with the use or reliance upon this Follow-Up Service Procedure to anyone other than the above Manufacturer(s) as provided in the agreement between UL LLC or an authorized licensee of UL LLC, including UL Contracting Party, and the Manufacturer(s).

UL LLC has signed below solely in its capacity as the accredited entity to indicate that this Follow-Up Service Procedure is in compliance with the accreditation requirements.

Bruce A. Mahrenholz
Director
North American Certification Program

LOCATION

(589926-003) 661946 (Party Site)
TERMOREGOLATORI CAMPINI - COREL SPA
VIA L SPALLANZANI 10 - LOC BIADENE
MONTEBELLUNA
31044 TREVISO . ITALY
Factory ID: None
UL Contracting Party for above site is: UL AG

INDEX

Product / Model	Section	USR	CNR
Component - Sheathed Heating Element, Model RC03	1	X	X

USR - Indicates investigation to the United States Standard

CNR - Indicates investigation to the Canadian Standard

File E362300
Project 13CA23206

September 13, 2013

REPORT

On

COMPONENT - SHEATHED HEATING ELEMENT

TERMOREGOLATORI CAMPINI - COREL SPA
MARIANO COMENSE, IT

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DESCRIPTION

PRODUCT COVERED:

USR, CNR Component - Sheathed Heating Element, Model RC03 series.

PRODUCT DESCRIPTION:

TABLE 1 - PHYSICAL CHARACTERISTICS AND ELECTRICAL RATINGS:

Model/Series No.	RC03 series
Maximum Voltage (Vac)	240
Maximum Wattage (W)	3000
Maximum Wattage Density (W/cm ²)	15
Intended usage medium, eg air, immersed in water	Immersion in water
Sheath Material(s)	Copper Cu-DPH99.9
Sheath Outer Diameter (mm)	8
Minimum Bend Radius (@sheath centerline) (mm)	R12
Maximum Number of Bends (one bend = 180 deg.)	5 bends; where 1 bend = 180°.
Minimum Sheath Wall Thickness (mm)	0.5
Resistance Wire Material(s)	NiCr80/20; NiCr60/15 Alkrothal (Cr15% Al4,5% Fe=Bal.)
Maximum Resistance Wire Outer Diameter (mm)	0.45
Maximum Wire Coil Diameter (mm)	2.5
Cold Pin Material(s)	Steel C10
Maximum Cold Pin Outer Diameter (mm)	2.5
Minimum Cold Pin Length Inside Sheath (mm)	40
Flange Material (if applicable)	N/A
Flange Plating (if applicable)	N/A
Sheath Plating (if applicable)	N/A

GENERAL CHARACTER AND USE:

The component is sheathed heating elements that are for use as described in the PHYSICAL CHARACTERISTICS Table 1. These assemblies are tubular sheathed type elements having helical wound resistance wire insulated from the sheath by magnesium oxide refractory compound. A cold pin is welded to the resistance wire. They are intended for factory installation only where the suitability of the combination is to be determined by UL LLC.

USR indicates UL Recognition in accordance with Standard UL 1030, Seventh edition.

CNR indicates C-UL Recognition in accordance with Standard CSA C22.2, No. 72.

MODEL NOMENCLATURE:

<u>XX</u>	<u>XXXX</u>	<u>XX</u>	<u>XX</u>	<u>XX</u>	<u>XXX</u>	<u>XXXV</u>	<u>XXXXV</u>
A	B	C	D	E	F	G	H

A: Company Name

XXX - CTR

B: Catalog Number

XXXX - RC03

C: Certification Mark

XX - UL

D: Month of Manufacturer

XX - 01 through 12

E: Year of Manufacture

XX - Last two digits of year

F: Production Batch

XXX - Three digits

G: Voltage Rating

XXXV - 120V, 240V

H: Rated Power

XXXXW - 0 through 3000W