FOLLOW-UP SERVICE PROCEDURE
(TYPE R)

PROTECTORS FOR ANTENNA LEAD-IN CONDUCTORS
(QVLA)

Manufacturer: SEE ADDENDUM FOR MANUFACTURER LOCATIONS

Applicant: SAME AS MANUFACTURER
(100562-850)

Listee: SAME AS MANUFACTURER
(100562-850)

This Procedure authorizes the above manufacturer to use the marking specified by Underwriters Laboratories Inc.(UL), or any authorized licensee of UL, only on products when constructed, tested and found to be in compliance with the requirements of this Procedure and in accordance with the terms of the applicable UL Services Agreement and Follow-Up Service Terms and Conditions. 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 accordance with the applicable Terms and Conditions at http://www.ul.com/responsibilities. Manufacturers without Internet access may obtain the current version of this document from their local UL customer service representative or UL field representative. For assistance, or to obtain a paper copy of the Terms and Conditions, 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 Listee will be considered to have agreed to Follow-Up Services and the terms of this Follow-Up Service Procedure upon the earliest use of the prescribed UL Mark, acceptance of the factory inspection, or payment of the Follow-Up Service fees in accordance with the Follow-Up Services Terms and Conditions. Follow-Up Services will be governed by and incorporate by reference such GSA and the Follow-Up Service Terms which can be accessed by clicking here: http://www.ul.com/contracts/newfusterms. In all other events, such Follow-Up Services will be governed by and incorporate the terms of the applicable agreement and any applicable Program Terms and Conditions.

It is the responsibility of the Listee to make sure that only the products meeting the aforementioned requirements bear the authorized Marks of UL, or any authorized licensee of UL. The Applicant and the specified manufacturer(s) in this Follow-Up Services Procedure must agree to the Follow-Up Services as required by UL's Contracting Party.

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

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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 Procedure to anyone other than the above Manufacturer(s) as provided in the agreement between UL or an authorized licensee of UL, and the Manufacturer(s).

Willam R.Carney
Director
North American Certification Program

LOCATION

(100562-850) SURGELAB KOREA INC
478-2 SONGCHONDONG
TAEDUCKOO
TAEJON 306-813 KOREA

Factory ID: None

File E343080
Project 11CA06188

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REPORT

on

PROTECTORS FOR ANTENNA LEAD-IN CONDUCTORS

* SURGELAB KOREA **INC.**
* **TAEJON,** KOREA

DESCRIPTION

PRODUCT COVERED:

USL Coaxial Antenna Lead-In Protector – **SL400 Series, consisting of Models SL400-xy-z, where suffix x can be F, B, M or N; suffix y can be FF, FM or MM; and suffix z can be 1, 2 or 4. Surge Capacity (single surge event) is rated at 3 kA.** Intended for indoor or outdoor use on wireless coaxial infrastructure systems, which have been isolated from the Public Switched Telephone Network.

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

General - The coaxial protectors described in this Report are comprised of a plated metal housing, coaxial type connectors at both ends and a plated brass ‘stub’ section (1/4 wave tuned frequency) that protrudes out from the main housing.

INSTALLATION:

The protectors covered in this Report are intended to be installed in accordance with the applicable requirements of the National Electrical Code and the local authorities having jurisdiction.

The protector is intended for indoor or outdoor use on coaxial communication loop circuits which have been isolated from the Public Switched Telephone Network.

The communication loop circuits shall not be exposed to accidental contact with electric light or power conductors operating at over 300 Vpk to ground.

MAINTENANCE AND COMPONENT SERVICING:

There are no serviceable components the devices should be returned to the manufacturer for replacement.

COAXIAL PROTECTOR, MODEL SL400 SERIES – NOT SHOWN

General – All models in the SL400 series are identical except for the type of connector and MOV employed. See ILL. 1 for nomenclature. See ILL. 2 for overall dimensions and construction details. See ILL. 3 through ILL. 6 for construction details of each SL400 model. See ILL. 7 for electrical schematic (Eng. Use only) of the SL400 Series.

1. Body – Constructed of Aluminum.

2. Inductor – Rated 0.1µH - 10µH, frequency dependent.

3. MOV – R/C (VZCA2), Success Electronics Co., Ltd, type 14D180 for the SL400-xy-1 model.

   Alternate – Same as above except type 14D390 for the SL400-xy-2 model.

   Alternate – Same as above except type 14D680 for the Sl400-xy-4 model.

4. Connectors – Various. N type, M type, BNC type or F type. See ILL. 2 for view of connector types.