



PROTECTION & RELIABILITY  
OPTIMIZATION INSTRUMENTS

A CTC COMPANY

# P R O D U C T M A N U A L

## Proximity Probe Accessories



## Connector Protector Installation Tools

# CONTENTS

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<b>Section 1 : Overview</b> .....	3
Introduction .....	4
Description.....	4
Product Selection Guide.....	4
<b>Section 2: Kit Details</b> .....	6
Specifications .....	6
<b>Section 3: Installation</b> .....	7
Installation of Protector .....	7
<b>Section 4: Operation</b> .....	9
Operation .....	9
<b>Section 5: Troubleshooting</b> .....	10
<b>Section 6: Maintenance</b> .....	11
Maintenance .....	11
General.....	11
Warranty.....	11

# FIGURES

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Figure 1 - Ordering Information, Kits .....	4
Figure 2 - Ordering Information, Additional Protectors .....	5
Figure 3 – DC902-1A/1B, Connector Protectors .....	6
Figure 4 - DT905-1A, Mall Connector Installation Tool.....	6
Figure 5 - DT905-1B, Female Installation Tool .....	6
Figure 6 - Kit Parts, Pre-Assembly .....	7
Figure 7 - Connect Tool .....	7
Figure 8 - Add Grease.....	7
Figure 9 - Slide on connector protector .....	8
Figure 10 - Sliding connector protector up tool.....	8
Figure 11 - Sliding connector protector over connector.....	8
Figure 12 - Remove tool from connector.....	8
Figure 13 - Connect connectors .....	9
Figure 14 - Male protector .....	9
Figure 15 - Completed Assembly .....	9

# SECTION 1: OVERVIEW

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## Introduction

This document contains information on the operation, installation and maintenance of the DM939 series connector protector installation kit and included tools for use with proximity probes.

## Description

The DM939 series of connector protector kits include:

- DC902-1A – Male Connector Protector(s)
- DC902-1B – Female Connector Protector(s)
- DT905-1A – Male Connector Installation Tool
- DT905-1B – Female Connector Installation Tool
- DT905-2A – Dow Corning Electrical Insulating Compound 4

## Product Selection Guide

The installation kit is available in a variety of connector protector quantities. Additional connector protectors are available if needed.

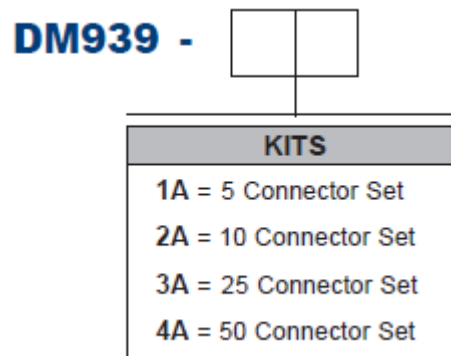


Figure 1 - Ordering Information, Kits

# SECTION 1: OVERVIEW

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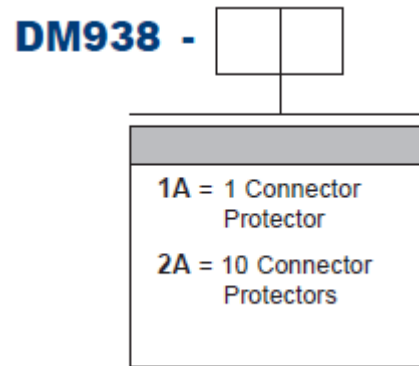


Figure 2 - Ordering Information, Additional Protectors

# SECTION 2: KIT DETAILS

## Specifications

### Environmental

Temperature Range: -31°F(-35°C) to 350°F(177°C)  
Humidity Range: 0-95% Relative, Non-condensing

### Physical

#### Materials:

Connector Protector(s): Silicone  
Installation Tools: Stainless Steel  
Electrical Insulating Grease: Dow Corning Compound 4

#### Weight:

Connector Protectors: 0.007 kg (0.01 lb)  
Installation Tool: 0.035 kg (0.08 lb)  
Electrical Insulating Grease: 0.150 kg (0.33 lb)

#### Dimensions:

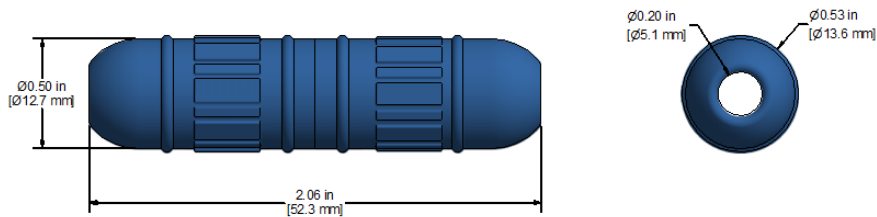


Figure 3 – DC902-1A/1B, Connector Protectors

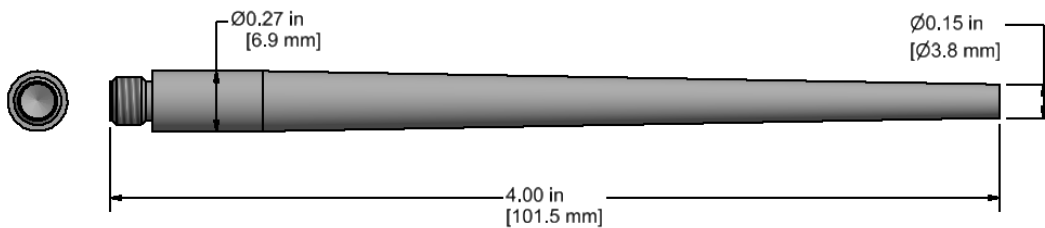


Figure 4 - DT905-1A, Male Connector Installation Tool

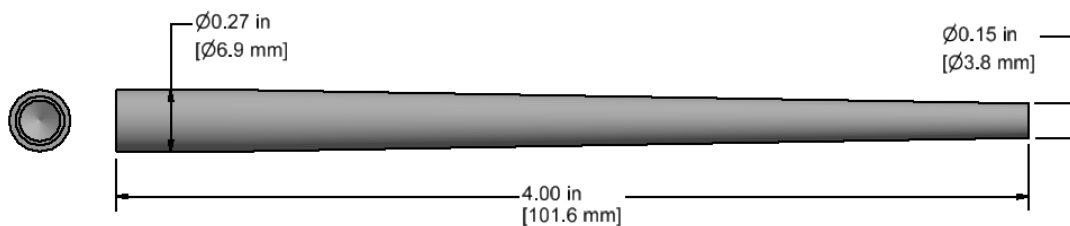


Figure 5 - DT905-1B, Female Installation Tool

# SECTION 3: INSTALLATION

## Installation of Protector:

**Note: If installing on a reverse mount proximity probe, assemble proximity probe in housing first. The connector protector will not fit through the sleeve of the reverse mount housing.**

1. Connect appropriate tool to connector.



Figure 6 - Kit Parts, Pre-Assembly

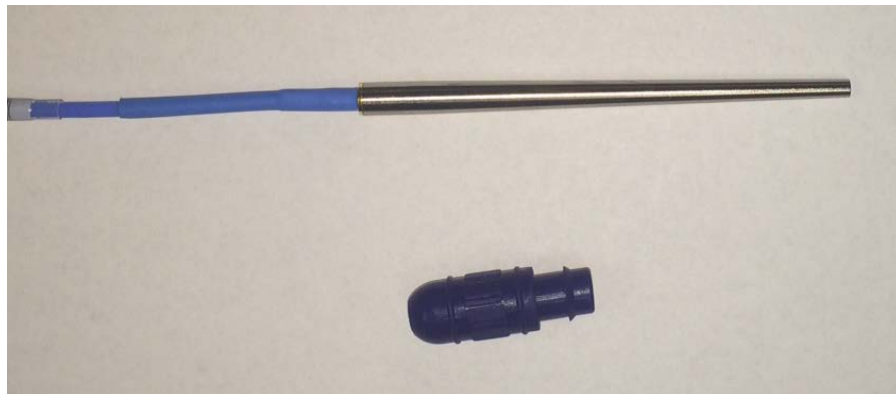


Figure 7 - Connect Tool

2. Apply a pea sized amount of grease to the tool.



Figure 8 - Add Grease

# SECTION 3: INSTALLATION

3. Slide connector protector onto tool. Spin connector protector to distribute grease evenly.



Figure 9 - Slide on connector protector

4. Slide connector protector down tool and over the connector



Figure 10 - Sliding connector protector up tool



Figure 11 - Sliding connector protector over connector

5. Remove the tool from connector.



Figure 12 - Remove tool from connector



# SECTION 4 : OPERATION

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## Operation

Once connector protectors are installed on their connectors.

1. Connect the prox connectors.



Figure 13 - Connect connectors

2. Slide the male protector over the prox connectors.



Figure 14 - Male protector

3. Slide the female protector onto the male protector.



Figure 15 - Completed Assembly

# **SECTION 5 : TROUBLESHOOTING**

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**Note: For specific problem resolution, please call an Applications Engineer at 1-800-999-5290.**

# SECTION 6 : MAINTENANCE

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## Maintenance

Once the proximity probe connector protectors have been installed, minimal maintenance will be required. Basic visual checks to ensure integrity and proper function should be made periodically.

## General

There are no customer replaceable parts. The proximity probe connector protectors have been designed for trouble-free service under normal operating conditions.

## Warranty

PRO will repair or replace any of our products under warranty so long as the product was not subjected to misuse, neglect, natural disasters, improper installation or modification which caused the defect.

## Contact Information

Connection Technology Center, Inc. (CTC)

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