

September 28, 2012

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UL 1238A

OUTLINE OF INVESTIGATION
FOR
BATTERY OPERATED HOSE NOZZLE VALVE READERS

Issue Number: 3

September 28, 2012

Summary of Topics

This third issue of the Outline of Investigation for Battery Operated Hose Nozzle Valve Readers includes revisions covering enclosure openings and changes to the compliance criteria for the drop test.

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INTRODUCTION

1 Scope

1.1 These requirements cover hose nozzle valve readers that are powered from internal batteries. These products are intended to be installed on a hose nozzle valve at the fueling facility. The reader is used to verify that an authorized vehicle is being refueled at the location when used in combination with a similar device located on the vehicle.

1.2 In accordance with 1.1, the mating device on the vehicle is not included in the evaluation of products covered under this outline.

1.3 These devices are only intended to be used on hose nozzle valves that are suitable for use with one or more of the fluids shown below.

a) Gasoline formulated in accordance with the Standard Specification for Automotive Spark-Ignition Fuel, ASTM D4814;

b) Gasoline/ethanol blends at levels designated as "gasohol" (E10 maximum) formulated in accordance with ASTM D4814, when blended with denatured fuel ethanol formulated in accordance with the Standard Specification for Denatured Fuel Ethanol for Blending with Gasolines for Use as Automotive Spark-Ignition Engine Fuel, ASTM D4806; or

c) Diesel fuel formulated in accordance with the Standard Specification for Diesel Fuel Oils, ASTM D975.

1.4 This outline does not cover any other type of control device for dispensing equipment, which are covered by the Standard for Control Equipment for Use with Flammable Liquid Dispensing Devices, UL 1238.

2 General

2.1 Components

2.1.1 Except as indicated in 2.1.2, a component of a product covered by this outline shall comply with the requirements for that component.

2.1.2 A component is not required to comply with a specific requirement that:

a) Involves a feature or characteristic not required in the application of the component in the product covered by this outline, or

b) Is superseded by a requirement in this outline.

2.1.3 A component shall be used in accordance with its rating established for the intended conditions of use.