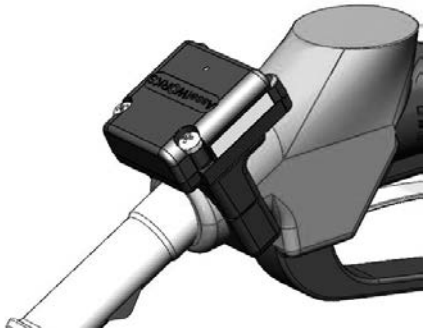
Roseman RFC System

Dual Nozzle Tag Rev 1.0



The Dual Nozzle Tag [DNT] is an active stand-alone device fitted to the nozzle. The DNT is a robust system enclosed in rugged plastic, designed to operate in harsh fuel environments. It is easy to install and does not require any adaptations to the nozzle.

When a nozzle is inserted in a vehicle fuel tank inlet the DNT automatically reads the vehicle identification device data, transmits it to the Island Control Unit (ICU) via the Wireless Automated Fueling (WAF) unit to check the tag authentication and verification. Only then will authorization be approved and fuel dispensed into the vehicle.

Throughout the course of fueling the DNT transmits refresh signals to the WAF unit showing that the fueling is in progress and will do so until the transaction is completed.

The nozzle tag contains a replaceable battery that is able to operate for close to 2 years, conditional on usage.

SPECIFICATIONS

Dimensions [W x H x D]	60.5x25x63 mm 2.38x0.98x2.48in	Communication with VID	Frequency 10Kz / 1.068 KHz Transmission range: 0-20 cm
Weight	90gr. [3.025oz.]	Communication with WAF	Frequency: 2.4 GHz
Operating Temperature	-40˚F to 158˚F -40˚C to 70˚C		Transmission range: 75-180ft./25-60m [depends on area topography
Power Supply			Security: Encrypted
Replaceable internal battery pack of 2xAA	=3.6V @ 2x2400=4800mAh LiSOCl		Transmission out power: 1mW Transmission method: FHSS
Non-Rechargeable batteries		Standards	IP66
Battery life	Up to 1800 fueling hours Up to 3 years idling time		

ORDERING INFORMATION	Description	Part No.
	Dual Nozzle Tag	RID-DMR-XX

Risk of explosion if incorrect batteries are used. Always replace the batteries with original manufacturer batteries and of the type specified above.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
(3) changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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