



RFX System Overview

Parts and Technical Service guide
Guía de servicio técnico y recambio
Guide d'instructions et pièces de rechange

Ref.:
RFX System Overview

Description/ Descripción/ Description

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The Samson RFX is designed to control and monitor the consumption and inventory balances of automotive fluid products with minimal installation and programming costs. The wall mounted keypad module consists of a 12-button keypad, LCD display and integral ticket printer. The RFX keypad can control up to 48 meters and track 8 different fluids and tanks. It is capable of sending and receiving data typically up to 300 feet in a service facility installation. A unique, patented feature of the control system is that the dispense trigger of the RFX Meter is locked until authorization from the keypad is received. After the dispense is completed, the user can top off the dispense and the actual amount used is sent back to the keypad and this meter returns to the locked status. Additionally, the meter can be installed on portable dolly systems offering control and monitoring of often high-cost lubrication products. Up to 50 operators can be defined with their own unique PIN number for accessing the system. The system provides dispense reports by operator, fluid type, meter or tank. This allows for flexibility in reviewing system activity.



Operation/ Modo de empleo/ Mode d'emploi

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The operator enters his PIN number and selects the hose that the fluid is to be dispensed from. The operator then enters the required quantity and presses ENTER to confirm. The meter is then authorized to automatically dispense and shut off when the authorized amount of fluid is dispensed. The operator may then top off the vehicle for the proper fill, if necessary. The operator may allow the meter to "time out" or may depress "Reset" which sends all actual dispense data back to the keypad and puts the meter into a secure "Locked" status until the next authorized dispense work order is received from the keypad. After each dispense, a transaction ticket is printed showing the fluid and quantity dispensed along with the operator's name.

System Features

- Very low installation costs
- Patented "Lock-Out" to prevent unauthorized dispenses
- Oval Gear metering technology
- Measurement in Pints, Quarts, Gallons or Liters
- Field replaceable AA Batteries in meters
- Control of portable fluid tanks
- Integral ticket printer
- Serial port for report printer

Typical Applications

- Fleet Maintenance Shops
- Industrial Assembly
- Quick Lube Facilities
- Automotive Dealerships
- Specialty Service and Repair Shops
- Construction and Mining Eq. Service Center

Technical data/ Datos técnicos/ Caractéristiques techniques

Maximum delivery	Caudal libre máximo	Débit libre maxi	32 l/ min ≈ 8 GPM
Voltage	Tensión	Tension	120VAC 50/60HZ
RF System	2-way 902-928 MHz Frequency Hopping Spread Spectrum per FCC Part 15.247 Part 15.109		
Operating Temperature	14° F to +140° F (-10° C to +60° C)		
Maximum working pressure	Presión máxima de trabajo	Pression max. de travail	67 bar ≈ 1000 PSI
Swivel Inlet thread	Entrada de fluido	Raccordement entrée fluide	½" (NPTF)/ H ½" G
Outlet thread	Salida de fluido	Raccordement sortie fluide	½" (NPTF)/ H ½" G
Printer Paper	White thermal paper roll 2¼" x 85'. You must have paper in the printer to dispense fluid.		

Pictorial Diagram of RF-OMS Logical Set-up

