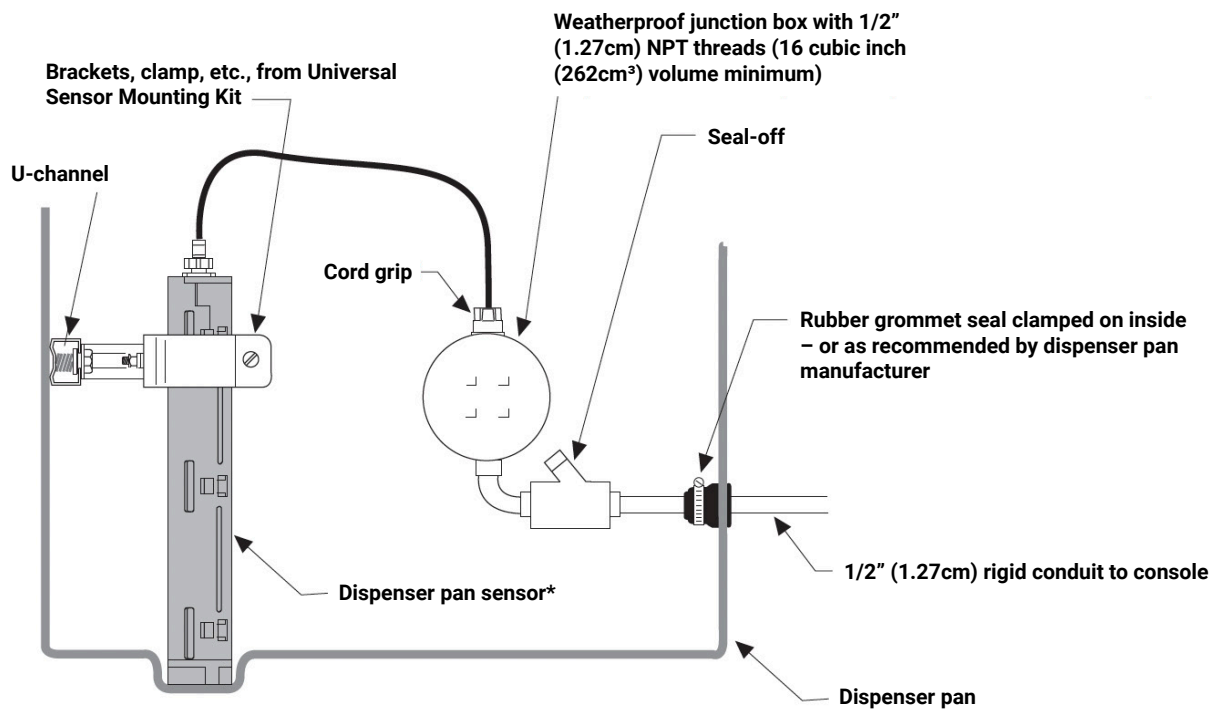| Sensor Description	**Solid-State – Non-Discriminating Dispenser Pan Sensor**	This Solid-State, Non-Discriminating Sensor is installed typically in a dispenser pan location to detect the presence of a liquid. Its optical liquid level technology requires no moving parts, allowing it to operate in sub-zero temperatures.
Part Number	**0794380-321**	

Category	☐ Discriminating ☐ Level Sensing ☑ Non-Discriminating ☐ Static Testing ☐ Position Sensitive ☐ Hydrostatic	

Fuel Compatibility	☑ Gas ☑ E-15 ☑ Green Diesel ☑ Diesel ☑ E-85[1] ☐ DEF ☑ Kerosene ☐ E-100 ☑ Waste Oil ☑ Jet Fuel ☑ Bio-Diesel 20 ☑ Motor Oil ☑ Aviation Gas ☑ Bio-Diesel 100 [1] Single use only (Test per Sensor Operability Guide in E-10 or less)	

Console Compatibility	Recommended Min. Console Software	Sensor Interface Modules				
		Module Part #	**Module Description**	**# of Modules per Console**	**# of Sensor Inputs per Module**	**Availability**
TLS-450PLUS (8600 Series)	6.A or Higher	0332812-001	Universal Sensor Module (USM)	Up to 4 – TLS-4xx Up to 8 – TLS-4xx w/ opt. TLS-XB	16	Sold Separately
TLS-450	4.A or Higher					
TLS4 (8601 Series)	6.A or Higher	0330020-750	Universal Sensor Input/Output Module (USIOM-AC)	1	12	Included
TLS4i (8601 Series)						
TLS4B (8601 Series)		0330020-751			6	
TLS4c (8601 Series)						
TLS-350/R/PLUS	124/324 or Higher	0329956-001	Type A Sensor Interface Module	Up to 8	8	Sold Separately

Alarm Notification	Normal	Sensor in Normal State – No liquid detected
	Fuel Alarm	Liquid detected – Approx. 1.0" (2.54cm)
	Sensor Out	Sensor not communicating to ATG/Console

Installation Kit	0330020-012	Universal Sensor Mounting Kit (Sold Separately)

Specifications	
Operating Principle	Optical – Looking at phase changes in the light beams by causing them to interact or interfere with one another
Product Activation Height	Fuel or Water – Approx. 1" (2.54cm)
Operating Temperature	-40°F to +122°F (-40°C to +50°C)
Dimensions	11.6" (29.4cm) high, 2.2" (5.6cm) diameter
Miscellaneous/Notes	Standard Cable Length: 12' (3.66m)
Third Party Evaluation Links	TLS-3XX/TLS-450 Series Consoles TLS4 (8601 Series) Consoles
Product Link	Solid-State - Non-Discriminating Dispenser Pan Sensor
Warranty with System	1 Year Parts & Labor
Warranty (When purchased separately)	1 Year Parts Only

Where Used (Typical)	☑ Dispenser Pan	☐ Annular Space
	☑ Spill Containment	☐ Monitoring Well
	☐ STP Sump	☐ Oil/Water Separator Tank
	☐ Convault Tank	

Example Installation

Brackets, clamp, etc., from Universal Sensor Mounting Kit

Weatherproof junction box with 1/2" (1.27cm) NPT threads (16 cubic inch (262cm³) volume minimum)

Seal-off

U-channel

Cord grip

Rubber grommet seal clamped on inside – or as recommended by dispenser pan manufacturer

Dispenser pan sensor*

1/2" (1.27cm) rigid conduit to console

Dispenser pan

* Dispenser pan sensor should:
1. **Rest in the cup or the lowest point of the dispenser pan.**
2. **Be positioned so as to be removable by pulling the sensor straight up out of the pan.**
3. **Be mounted in a true vertical position.**

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Example Illustrations

Illustrations used in this guide for example sensor installations may contain components that are customer supplied and not included with the sensor. Please check with your Veeder-Root Distributor for recommended installation accessories.

Third Party Evaluations

Third party evaluations of the Veeder-Root sensors contained in this application guide can be found under the Veeder-Root vendor name on the National Work Group on Leak Detection Evaluations (NWGLDE) website: http://www.nwglde.org