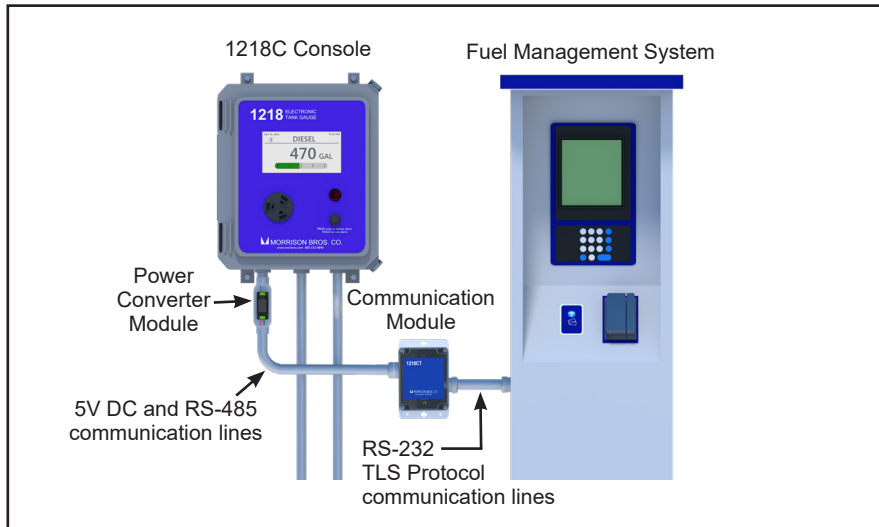


Model 1218CT Fuel Management System (FMS) Translator Kit

SPECIFICATION SHEET

Application

The 1218CT Fuel Management System Translator Kit provides an interface between Morrison's 1218 Electronic Tank Gauge and any fuel management system (FMS) that utilizes TLS protocol.



Item Number	Description
1218CT0100 AK	Fuel Management System Translator Kit

Features and Details

- Designed for outdoor applications (-40°F to 140°F to 100% humidity)
- Maximum wiring distance from communication module to fuel management system is 50 feet
- Maximum wiring distance from communication module to 1218C console is 1,000 feet
- A USB port is used for any firmware updates to be uploaded on-site.

Materials of Construction

- Enclosure: Polycarbonate
- Conduit body: Powder-coated aluminum

Approvals

Enclosure: Meets NEMA 1, 2, 4, 4X, 12 and 13 specifications; UL Listed to UL508-4x specifications (File E194432); meets IP65 and IP66 specifications.



1218CT FMS Translator Kit

The following fuel management systems are known to be utilizing TLS protocol:

- FuelMaster
- Petro Vend
- Intellifuel
- GIR
- Gasboy

If you have a fuel management system that utilizes TLS protocol, contact your account manager to discuss the opportunity.



The 1218CT recognizes the following commands from a third party fuel management system (FMS). All commands listed are in computer format. The 1218CT does not support any commands in display format.

- **In-Tank Inventory Report (i20100)** returns real-time data to the FMS from the 1218C console for the following data fields:
 - Tank number
 - Delivery in progress status
 - Volume
 - Ullage
 - Liquid height
- **In-Tank Status Report (i20500)** returns real-time alarm statuses to the FMS from the 1218C console for the following alarms:
 - Tank number
 - Number of alarms currently active for the respective tank
 - Alarm type (low product alarm, high product alarm, tank setup data warning)
- **In-Tank Delivery Report (i20200)** returns a log of past deliveries reports to the FMS. Each delivery report contains the following data fields:
 - Tank number
 - Number of deliveries in the history log for the respective tank
 - Starting date/time and ending date/time
 - Starting volume and ending volume
 - Starting height and ending height

The 1218CT Communication Module will keep this log stored in its own internal memory created from data sent over from the 1218C, storing up to 50 delivery reports. This log utilizes First In, First Out (FIFO) order of operations to prioritize the memory space available on the board (rather than clearing all the memory).

- **In-Tank Alarm History Report (i20600)** returns a log of past alarms to the FMS with each alarm report containing the following data fields:
 - Tank number
 - Number of alarms in the history log for the respective tank
 - Date/time the alarm occurred
 - Alarm type (low product alarm, high product alarm, tank setup data warning)

The 1218CT Communication Module will keep this log stored in its own internal memory created from data sent over from the 1218C, storing up to 100 alarm reports. When these reports are pulled by the FMS, the 1218CT Communication Module will automatically clear the log of alarm reports. This alarm report log will also utilize FIFO in the event the reports reach 100 in number before the FMS pulls them.

