



Scope

This addendum applies to the new Kavlico fluid pressure sensors listed below:

101715-000 Gravity Fed Fuel/Fluid Pressure Sensor (Kavlico) 5 PSI

101690-000 Carbureted Fuel/Fluid Pressure Sensor (Kavlico) 15 PSI

101716-000 Fuel Injected Fuel/Coolant/Fluid Pressure Sensor (Kavlico) 50 PSI

101693-000 Oil/Fluid Pressure Sensor (Kavlico) 150 PSI

Check downloads.dynonavionics.com for the latest version of unit firmware and sensor configuration files. Always refer to the latest Installation Guide available at docs.dynonavionics.com for full setup instructions.

SkyView SV-EMS-220

Sensors read from 0-5 PSI, 0-15 PSI, 0-50 PSI, and 0-150 PSI.

Wire Connection/Pinout:

Red Wire: 5 Volt excitation (EMS pin 18) - *this connection can be shared with other sensors.*

Green Wire: Configurable Fluid Pressure (EMS pins 4, 6, 7, 8, 9, 10, 11, 12, 20, 21, 22, 23, or 31)

Black Wire: Ground (EMS pins 3, 5, 13, 16, 17, or 30)

Configuration: Download and install the latest Engine Sensor Definitions File from the SkyView Downloads page (under the “support” tab) at www.DynonAvionics.com. This file contains the new Kavlico sensor types. Once that file has been loaded onto your SkyView system, the following new sensor types will be available under EMS SETUP > SENSOR INPUT MAPPING:

KAVLICO 5PSI FLUID PRESSURE (101715-000)

KAVLICO 15PSI FLUID PRESSURE (101690-000)

KAVLICO 50PSI FLUID PRESSURE (101716-000)

KAVLICO 150PSI FLUID PRESSURE (101693-000)

Note that this file needs to be loaded on every display in a multiple display SkyView system.

Additionally, if you are using one of Dynon’s EMS probe kits, you can download an EMS Engine Setup from the Dynon SkyView downloads page that contains all of the correct pin mappings for these new Kavlico sensors when they are installed per the pin mappings in the SkyView Installation Manual.

EMS-D10, EMS-D120, FlightDEK-D180 Products

Sensors read from 0.4-5 PSI, 1.2-15 PSI, 4-50 PSI, and 12-150 PSI.

Wire Connection/Pinout:

Red Wire: 5 Volt excitation (EMS pin 18) – *this connection can be shared with other sensors.*

Green Wire: Fuel Pressure (EMS pin 8), Oil Pressure (EMS pin 6), or Coolant Pressure (EMS pins 4, 22, or 23), depending on function/configuration defined below.

Black Wire: Ground (EMS pins 3, 5, 13, 16, 17, or 30)

Configuration: Download and install firmware version 5.4.2 or higher. Once the sensor is physically installed, refer to the instructions below when configuring the EMS Setup Menu.

5 PSI Fuel Pressure Sensor (101715-000): Set as sensor Type 5 under EMS>SETUP>SENSORS>FUEL PRESSURE.

15 PSI Fuel Pressure Sensor (101690-000): Set as Sensor Type 6 under EMS>SETUP>SENSORS>FUEL PRESSURE.

50 PSI Fuel Pressure Sensor (101716-000): Set as Sensor Type 7 under EMS>SETUP>SENSORS>FUEL PRESSURE.

50 PSI Coolant Pressure Sensor (101716-000): Set as Sensor Type 2 under EMS>SETUP>SENSORS>EMS GP INPUT 1, 2, or 3.

150 PSI Oil Pressure Sensor (101693-000): Set as Sensor Type 5 under EMS>SETUP>SENSORS>OIL PRESSURE.