PHILLIPS

FPS465

FPS465
FUEL PROBE SIMULATOR

Features

- Real-time dynamic simulation of capacitive fuel probe sensors
- Eight sensor simulator channels per card
- Simulates up to 112 fuel probe sensors in a single chassis
- 255 level settings independently settable for each channel, plus off state
- High performance 10ms update rate
- Easy to control remote interface via Ethernet
- 19” Rackmount option (3U panel height)

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Summary

Phillips’ FPS465 real-time fuel probe simulator performs dynamic, electrical simulation of capacitive fuel probes.

Each 3-wire channel is comprised of a Fuel Drive Signal, Fuel Level Signal, and a Return. When properly stimulated by the Fuel Drive Signal, the FPS465 simulates the fuel level by applying the appropriate response on the Fuel Level Signal.

255 different levels, plus one off condition, can be independently set for each channel. Commands are input to the FPS465 over its built-in 10mbps Ethernet interface via the UDP protocol. Commands are in ASCII format, with loop-back acknowledgement. The IP address of the FPS465 can be set via a remote application panel that can be run from a Windows PC located on the same network as the FPS465. Multiple FPS465s can be placed on the same network with unique IP addresses. The FPS465 can be located up to several hundred feet away from the nearest network switch or hub, allowing it to be placed where most appropriate.

Custom versions of the FPS465 are available to our customers. Please contact the factory for further information.

Specifications

Stimulation:	composite square wave
Capacitive Range:	10pF to 255pF
Accuracy:	+/-10% FSR
Dimensions:	5.25”H x 18.0”D x 17.5”W
Sensor Connectors:	50-pin male d-sub
Control Interface:	RJ45 Ethernet (10bT)
Control Protocol:	ASCII commands via UDP
Power Input:	115VAC 60Hz 3A

Ordering Information

Part Number:	765-40AA
AA:	number of 8-channel simulator cards (01-14)
Example:	765-4008 *(fuel probe simulator with 64 channels, eight simulator cards)*
Option 001:	19” Rackmount Kit
Option 002:	Software Development Kit