

4.3-inch color display featuring rich, color graphics

Optically-bonded glare-free LCD screen for superior visibility in sunlight

Customizable I/O with RS485 serial connection

5 tactile configurable soft keys



FULL-COLOR CONTROLLER WITH RS485 CONNECTION FOR ENGINE APPLICATIONS

The PV485 is a customizable, all-in-one color display and controller designed to meet the needs of modern electronic engines and equipment applications. Its rugged design offers a wide array of configurable I/O and supports both mechanical and J1939 electronic engines.

The display's bonded LCD can easily be viewed in full sunlight, and its rugged tactile soft keys and durable design make it a perfect solution for all types of environments and applications.

The PV485 also supports Tier 4 and stage IV engines, helping to make your transition to Tier 4 easier.

BUILT FOR POWERVISION

PowerVision Configuration Studio® software lets programmers design stunning user interfaces, create intelligent applications with scripting and prototype quickly with a vast library of standard engine parameters.

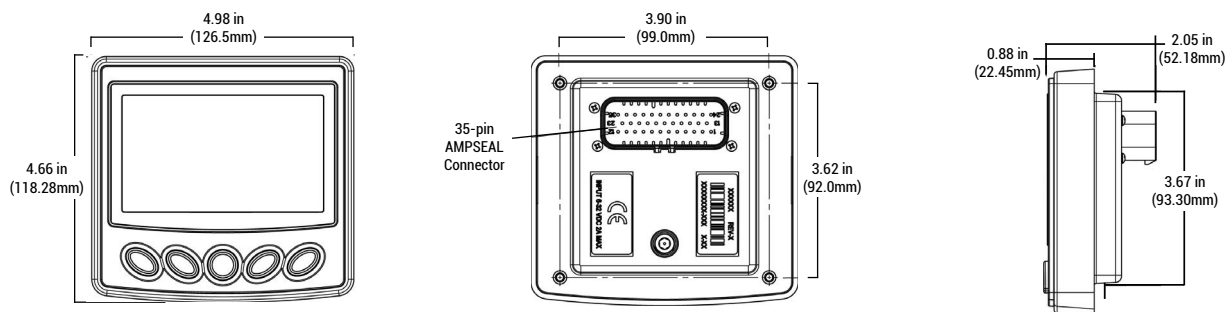


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POWerview® 485

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DIMENSIONS



PRODUCT SPECIFICATIONS

COMPUTING	
MICROPROCESSOR	Freescale i.MX35 32bit, 532MHz
OPERATING SYSTEM	QNX® Realtime Operating System
STORAGE	256 MB flash memory
RAM	128 Mbytes DDR2 SDRAM
DISPLAY	
SCREEN SIZE	4.3 inches, 109mm color transmissive TFT LCD
RESOLUTION	WQVGA, 480 x 272 pixels, 16-bit color
BRIGHTNESS	900-1000 cd/m²
HARDWARE	
KEYPAD	5 soft keys
REAL TIME CLOCK	Available with battery backup
CONNECTORS	(1) 35-pin AMPSEAL connector (AMP 776231-1)

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

COMMUNICATION	
CAN	(1) CAN 2.0B according to ISO 11898-2, J1939 and proprietary messaging
SERIAL	RS-485: 1 MODBUS® Master/Slave port, PVA gages
USB	USB 2.0 full speed host
ELECTRICAL	
OPERATING VOLTAGE	6 to 32 VDC protected against reversed polarity and load-dump
INPUTS	(4) Analog 0–5 VDC, 4–20 mA (2) Analog, battery voltage (3) Discrete digital (1) Frequency In (2Hz - 10kHz), 5Vpk-pk min, 49Vpk-pk max
OUTPUTS	(4) 500 mA switched low-side (1) Analog 0–5 VDC
ENVIRONMENTAL	
OPERATING TEMPERATURE	-40 to +85°C (-40 to 185°F)
STORAGE TEMPERATURE	-40 to +85°C (-40 to 185°F)
PROTECTION	IP67, front and back
VIBRATION	Random vibration, 7.86 Grms (5-2000 Hz), 3 axes
SHOCK	± 50G in 3 axes
EMC/EMI	SAE J1113 or customer-specified (CE) - EN61000-6-2, EN12895, ISO 13766
CASE	Polycarbonate / ABS

FOR MODEL & PART INFORMATION

ENOVATIONCONTROLS.COM/PV485

FOR MANUAL & SUPPORT DOCUMENTS

SUPPORT.ENOVATIONCONTROLS.COM

FOR SUPPORT & WARRANTY

ENOVATIONCONTROLS.COM/SUPPORT

SALES CONTACT



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