

# AVIDYNE<sup>®</sup> DFC90

## DIGITAL AUTOPILOT

Avidyne's DFC 90 Autopilot is a precision, attitude-based flight control system featuring all the standard vertical and lateral modes of operation of a turbine-class autopilot system, including Flight Director (FD), Altitude Hold (ALT), Airspeed Hold (IAS), Vertical Speed Hold (VS), Heading (HDG), and Navigation (NAV, APPR, LOC/GS, GPSS).

The DFC 90 also features unique functions engineered to prevent common GA autopilot issues like stalls, over speeds, or exceeding the flight parameter envelope - all at a price significantly less than competitive units that offer less functionality.



- **Attitude-based digital autopilot**
- **Slide-in replacement for existing STEC55X**
- **Compatible with Entegra, Vantage, and Aspen PFDs**
- **Utilizes the PFD's all-digital Air Data & Attitude/Heading Reference System (ADAHRS)**
- **Provides greatly-improved stability**
- **Particularly evident and important when tracking an ILS to minimums in windy conditions.**
- **Flight Envelope Protection & Alerting**
  - Guards against autopilot-induced stalls (underspeed) & overspeeds
- **“Straight & Level” button**
  - Provides one-touch recovery from unusual attitudes.

# Avidyne DFC90 - The Right Fit

## Specifications

### Dimensions

- Width: 6.25" (159mm)
- Height: 1.5" (38mm)
- Depth: 10.6"(279mm)

### Weight

- 2.02 lb (0.92 kg)

### Power Requirements

- 11 - 33VDC
- 4.4A/6.5A Xmit @ 14vdc
- 2.2A/4.0A Xmit @ 28vdc

### TSOs

- TSO-C9c Automatic Pilots
- TSO-C52b Flight Director Equipment

### STC Approvals

- With Vantage12
  - Cirrus SR20/22 (pending)
- With Entegra PFD
  - Cirrus SR20/22
  - Piper PA46-350T Matrix
  - Piper PA46-350P Mirage
- With Aspen EFD1000 Pro
  - Cirrus SR20/22
  - Cessna 182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N, 182P, 182Q, 182R, 182S, 182T, R182
  - Beech Bonanza 35-33, 35-A33, 35-B33, 35-C33, 35-C33A, E33, E33A, E33C, F33, F33A, F33C, G33, H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 36, A36 and A36TC.



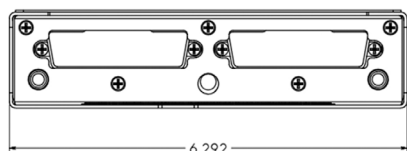
Vantage12



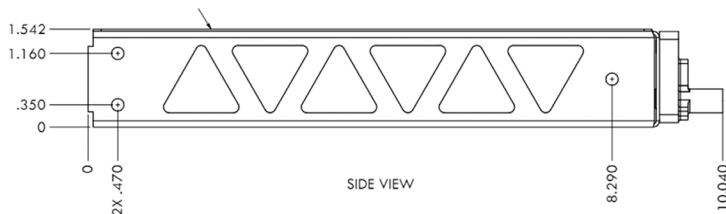
Entegra



Aspen



FRONT VIEW



SIDE VIEW

\* Features and options subject to change without notice.