Compact Plus Stick

Built for control

The Compact Plus Stick variant operates at 60V and provides greater force capability than the Compact Stick. This unit is used where customers demand higher side stick forces or for use as a UH-60 style Cyclic. The Compact Plus Stick provides forces, as a side stick 270N at 205 mm GRP, and as a Cyclic up to 110N at 500mm GRP. Utilises 2 axes in the ICM. Feature-rich, highly reconfigurable and suitable for single or dual (linked) cockpit configurations.

Features

• Programmable feel characteristics
• Real-time control
• Reconfigurable
• Electronically linkable

Description	Specification
Continuous operational force*	110N (25 lbf) - long pole variant 270N (61 lbf) - short pole variant
Active travel	Configurable up to ±25° pitch, ±25° roll*
Maximum velocity	120°/s
Interconnecting cables	2 x Interconnecting cable (5.5 m max) 1 x Optional grip switch cable
Grip type	Short or long pole with or without flying leads for grip switches, UH-60, F-16, generic with switches
Grip interface	MIL-SPEC D38999/26FD35SN with threaded locking ring
Grip switch wiring	Flying leads to customer I/O or via ethernet
Software interface	UDP over 1000Base-T ethernet
Input power supply	ICM
Weight	9 kg (19.8 lb)

* At nominal grip reference point of 500 mm (19.7") - long pole variant
205 mm (8.1") - short pole variant

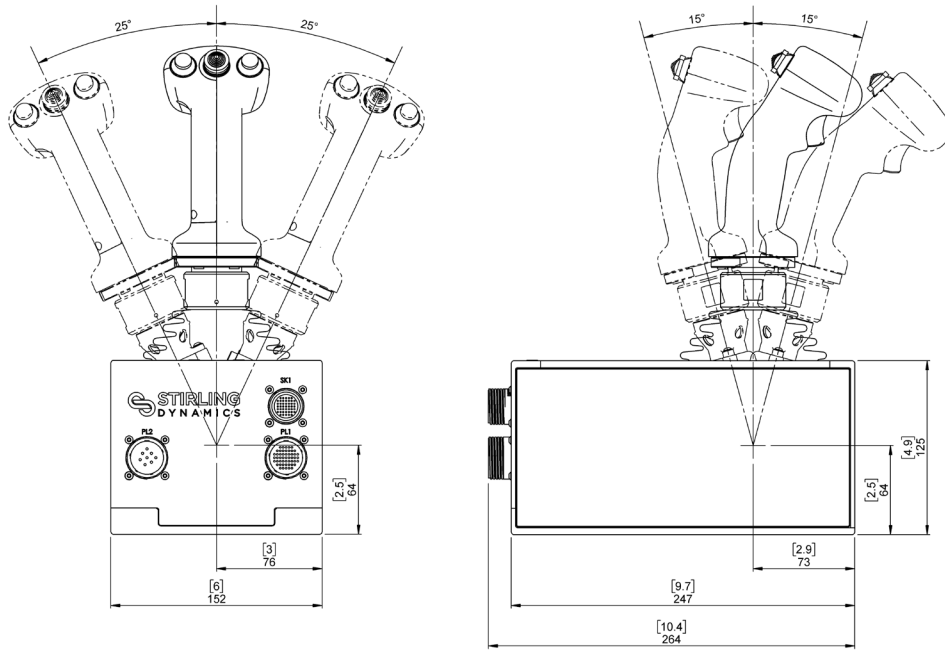* Default configuration is ±25° in pitch

Our products work even better together

With versatility in mind, all of our active controls are commanded by a dedicated electronics Inceptor Control Module (ICM), which provides an ethernet interface allowing minimal integration effort. From a single fixed wing cockpit to dual rotary cockpit configurations, multiple ICMs can be used in combination to provide designers with total flexibility.

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Product Integration

How do I connect and control my new Stirling simulator product?

Stirling Dynamics' active controls interface to your simulator software through a UDP over LAN connection. Multiple systems can be connected via the LAN if they have their own IP address. We can provide a separate GUI (Graphical User Interface) that can seed the devices with specific settings, or you can send message sequences to configure your devices in real time. Stirling Dynamics will also provide you with all the integration documentation you will need to successfully set up your new control product.

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Dotted lines supplied by client or Stirling Dynamics.