



High Performance Propeller Systems

## REVERSING OPTION FOR AMPHIBIOUS AIRCRAFT

Airmaster offers Beta (option) on propellers as an aid for on the water maneuvering operations of amphibious aircraft and float planes.

### Beta mode for Amphibians

Now a wide range of amphibious aircraft can gain the benefits of reverse thrust while manoeuvring on the water. Aircraft types include, Aircam, Aeroprakt, Avid, L-42, Colyaer, Kitfox, Rans, Paradise, Pelican, Seamax, Searey and others.

This is an excellent safety feature allowing ample reverse thrust to counter trailing winds that can be a problem for amphibious aircraft while taxiing on the water.



### Simple Operation BETA : ACTIVATE : MANUAL

An easy three step sequence is all that is required to engage the beta operation. This allows quick activation without risking unintentional engagement.

The Fine/Coarse switch can now be used to position the propeller pitch anywhere in the range of -20deg to +40deg.



### Safety Features

Three levels of interlocks are provided to ensure the propeller system remains completely safe at all times.

**Software interlocks** monitor the speed of the engine and will not allow movement into the beta zone if the rpm is above preset limits. This stops engagement during flight.

**Electrical interlocks** require activation of the manual fine/coarse switch to allow beta operation. Double microswitches are provided on the fine pitch stop for redundancy.

**Mechanical interlocks** are provided in the form of a safety gate that physically locks out the beta zone at high rpm.

