

# Air Guide Systems'

New

## Go-Ac

Model SA

### SPECIFICATIONS -

Size (overall) Length 2", Width 1-7/8", Height 1-3/4"  
(base dimensions) Length 1-7/16", Width 1-5/8"

Weight 1.7 oz.

Voltage Requirements 1.5 to 3.6 volts each side  
1.5 - 3 v for 1/2A ships  
2.4 - 3.6 v for larger ships

Current Drain Average In-Use 80 ma.

### FEATURES -

Extreme small size. Small enough for 1/2A, yet powerful enough for .35 sized ships.

Encapsulated in two-piece aluminum frame for strength and riveted together to eliminate vibration problems.

Motor employs double brushes and industrial type self-centering bearings.

Gear train of Zytel to Brass mesh eliminating "noise" caused by metal to metal contact.

PTO to Torque Rod connection via "universal" (furnished) makes installation and removal of Go-Ac ultra simple.

Tripod-like three hole mount makes mounting easy - even on warped servo platform.

No throttle arm flutter during normal rudder and elevator control.

All parts used in the manufacture of the new Space Age Go-Ac Model SA meet industrial standards.

Unit is completely self contained including "soft" coiled spring centering which is pre-adjusted. No additional parts are needed except batteries and normal wire linkages to Rudder-Elevator and Throttle. For best results and almost instant Rudder-Elevator hookup equip each ship with an S.E.P. G-G Coupling Kit of pre-formed wire parts available at most hobby shops or direct.



Galloping Ghost application requires a pulser at the transmitter such as an ACE Phelps, Glass City or similar type designed to send varying pulse lengths and rates. Rudder-Only flyers can use simpler types. Pulsers must have ON and OFF push buttons in order to be able to activate the Throttle feature of your Go-Ac.

The New Space Age Go-Ac Model SA has been used with relay equipped receivers of most available types and also superhets such as the Min-X Superhet and Pulsmite Transmitter combination with flawless results. Some receivers will require the addition of arc suppressors such as are outlined here. Selection of the proper arc suppressor (if needed) is up to the individual - depending upon the receiver's requirements. Though most of today's receivers can be adjusted to work on pulse, some may be found which are too critical to electrical "noise" even with arc suppressors. In this instance another receiver will have to be employed.

Throttle control is achieved with the Go-Ac by sending either a solid ON or solid OFF signal via the push buttons on your pulse box. At such times, the Go-Ac goes into 360 degree rotation and moves the Throttle arm in one direction or the other. It is best to have your unit installed so solid ON signal gives HIGH SPEED and Solid OFF gives LOW SPEED. In this way you have fail safe if your ship wanders out of range. During 360 degree rotation of the Rudder-Elevator Torque Rod, the control surfaces have the effect of neutral and the throttle is in LOW SPEED. The throttle can be adjusted in flight for any degree of speed between high and low if you desire.

The easiest way to install your Go-Ac is to harness the Rudder-Elevator linkage first and test it out with your pulse box. If you get right when you call for left, simply reverse the polarity of the batteries or reverse the leads to the Go-Ac motor. Be sure you have eliminated all unnecessary friction in the torque rod linkage between Go-Ac and control surfaces. Once this has been done, observe which direction the Throttle arm moves during SIGNAL OFF and hook up the throttle linkage accordingly. Again, be certain there is no unnecessary bind in this linkage. The freer this whole installation works, the more satisfactorily the results and longer the life of your batteries.

Though this new Model SA Go-Ac was especially designed for larger ships, it is efficient enough to be used on the tiniest of planes. This unit will actually perform its full function on a set of two pencells (one on each side)(1½v) We find it to have as much power on one pencell as our earlier model had on two! The new Model SA Go-Ac is, by comparison with our earlier model, more than twice as powerful, about half the size and weight and draws less current.

Manufactured by AIR GUIDE SYSTEMS  
a wholly owned subsidiary of

SPECIAL EDITION PLANS

Box 2555

Schenectady, NY 12309