

FAQ Note

1250 to Synchro Compatibility

Problem:

How can I determine if an existing synchro transmitter is compatible with the INCON 1250?

Explanation:

The INCON 1250 will work with most **60hZ** synchro transmitters. The 1250 will not work with higher frequency synchro transmitters. There is one other limitation: the stator output voltage must not exceed **90VAC**. Note that the synchro must be powered from the same AC source as the 1250; therefore the line voltage of the 1250 and the synchro must be the same (i.e. If the existing synchro runs from 240VAC, the 1250 must run from the same 240VAC source). The 1250 may be wired in parallel to an existing synchro transmitter / receiver pair (Sel-Syn®). The existing receiver may be replaced by the 1250 or may be kept in addition to the 1250.

Troubleshooting:

To determine the maximum stator output voltage, if it is not indicated by any documentation or on the motor itself, perform the following procedure:

Measure the AC voltage between any pair of stator terminals with a multi-meter (S1-S2, S2-S3, or S3-S1). Rotate the synchro through a 120 degree span. Watch the voltage rise and fall throughout this span. Record the peak voltage measured. This voltage must not exceed 90VAC. If it exceeds 90VAC, the 1250 should not be used to monitor this synchro.