

APPLICATION NOTE:

MASTER/FOLLOWER APPLICATIONS with AC INVERTERS

The ASP20 Accu-Set is a powerful digital front end for AC inverter drives. Master-follower system linking is one of the many jobs which is simplified with the Accu-Set. Diagram A below shows a typical closed loop application. Here the inverter can achieve speed accuracy similar to DC systems and vector drives. However, it is often difficult to mount a transducer to an AC motor due to their construction.

Diagram B shows a short cut for installations with inverters. The test point on the inverter is used for feedback in place of a transducer. Here the Accu-Set cannot compensate for motor slip so it will not be quite as accurate as the Accu-Set shown in diagram A, but installation simplicity makes an affordable master/follower system with quasi-closed loop.

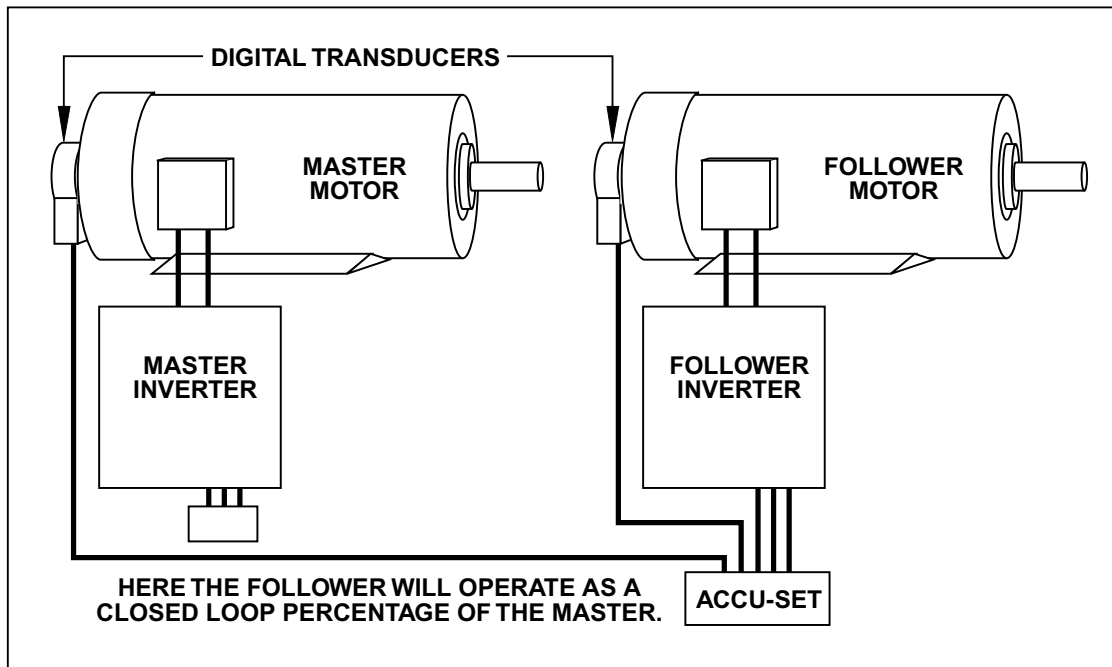


DIAGRAM A

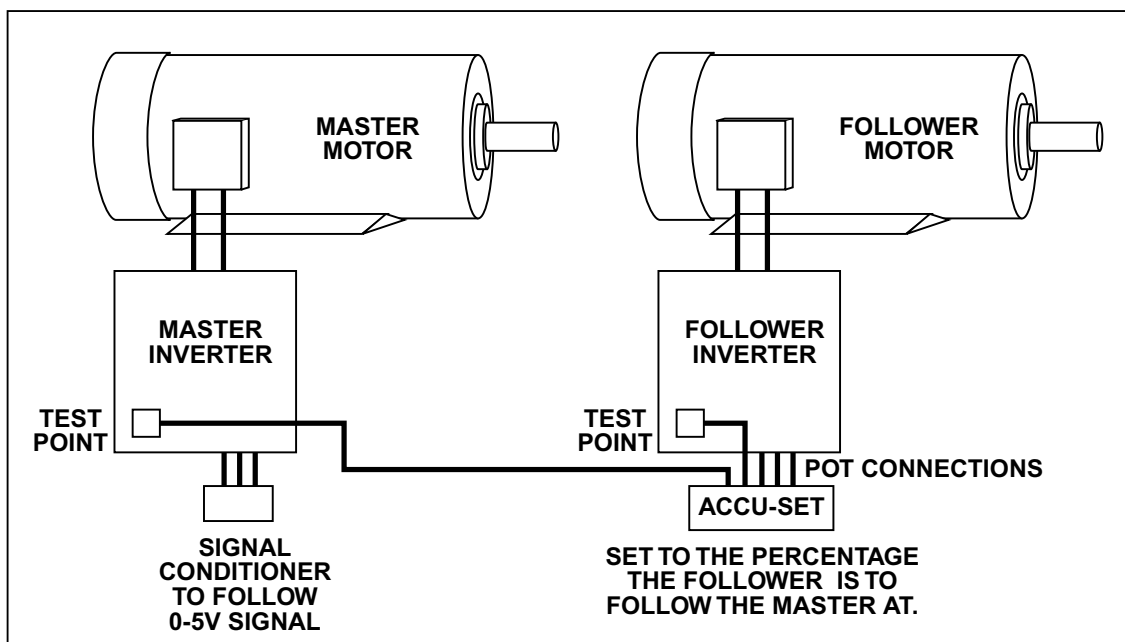


DIAGRAM B