

In many applications, the harsh environment requires a rugged method of rotary positioning. Resolver technology is the proven method to obtain absolute rotary position data in the harshest environments such as steel mills, lumber, and metal stamping. For areas of the plant where electronics cannot survive but DeviceNet networks can, we have the answer. The 1990DN mounts on a din rail in the control panel and a standard resolver is wired to the terminals. The DeviceNet network is then attached to the front connector to pass position data, RPM, and setpoint status from the module.

The 1990DN Resolver Interface Module plugs in as a node on any control system or a DeviceNet Scanner Card. Continuous rotary position data is provided with 23-bit resolution. Eight built-in user programmable set-points allow direct control of critical functions. All programming is done over the DeviceNet network. This product can be used with the Series 1986 Resdver.

The Series 1990DN provides flexibility and cost savings when compared to other methods of continuous position sensing. Each resolver is wired to the module. Since every DeviceNet network is bus powered, there is no separate power supply to worry about. The 1990DN with continuous rotary position and eight (8) discrete setpoints built-in, plus a DeviceNet scanner card is competitive with a plain resolver and a PLC resolver input card. Additional resolvers can be added on the same DeviceNet network without adding additional scanner cards, making this approach very attractive when more than one resolver is needed on the same system.

