

Control Design and Testing

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Eric Dobson
Timco Engineering, Inc.
Re: PLS-ES200-A-PT

This device is used to count events which are registered in the device by the closure a set of dry electrical contacts such as a relay or momentary pushbutton switch. The application is for measuring consumption of public utilities (water, gas and electricity) by counting the pulses generated from a utility meter such as the Veris H6015, the Schlumberger Gallas 2000 or the Osaki MTR-9124. These meters have isolated contacts that close one time for each unit of consumption. The ES200-A-PT counts the closures and periodically transmits the totals.

The wire on the test sample is a vinyl clad, two-conductor cable that was used for radiated emissions testing. In practice, this cable would be connected to the contacts of the utility meter. The cable is visible in the photo for the horizontal test position. In the vertical test position, the cable is fed down through the access hole in the center of the table and cannot be seen in that photograph.

Tom Roche