

API-Cecom Group *n'fo*

Technical & Application Note A126

Application: Monitoring water level in a tank
 Type Of company: Public Utility
 Location: New Mexico

Problem: The customer is using a cable suspended loop powered level transmitter (Delta Controls Model 591) to monitor the water level in a tank installed in a remote location. The level transmitter signal is sent to an Zlinx radio modem which is sending a signal to both a Honeywell PLC and a panel meter. When both devices are connected to the radio receiver channels a ground loop is formed and causes erroneous readings.

Solution: The customer will use an APD 2000 to isolate both signals. Isolated signal conditioners provide three-way isolation and will eliminate these ground loop degradation problems.

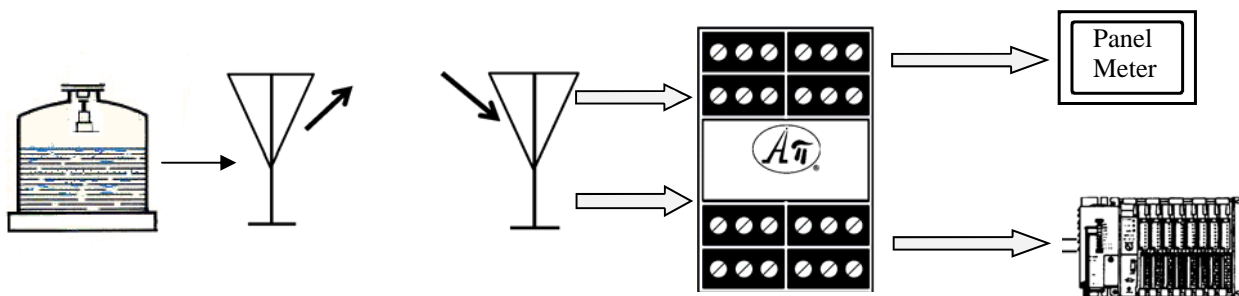


APD 2000

Two channel DC to DC
 Signal Converter/Isolator



Photo by Ebyabe



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