

# API-Cecom Group *n'fo*

## Technical & Application Note A128

Application: Interface level transmitter with PLC

Type of Company: Manufacturer

Location: Connecticut

**Problem:** The customer is an manufacturer of corrugated boxes. Their process uses a Bindicator Level transmitter and interfaces to a Rockwell Automation PLC. They have been using an interface device that is no longer available. When it failed the engineer had to replace it with a generic loop powered isolator (non-API). The loop powered isolator was powered by the +24 VDC PLC power supply but it caused power supply and PLC issues so the customer required a signal isolator that supplied power for the Bindicator Level transmitter and would interface with the Rockwell Automation PLC input card.

*Note: for additional information on this process see [http://en.wikipedia.org/wiki/Corrugated\\_fiberboard](http://en.wikipedia.org/wiki/Corrugated_fiberboard)*

**Solution:** API furnished the customer an APD 4380. The Bindicator Level transmitter was powered from the APD internal +15 VDC input signal power supply and the PLC was connected as a current sinking output from the APD and the interface problems were solved.

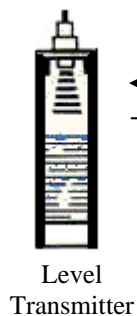


APD 4380

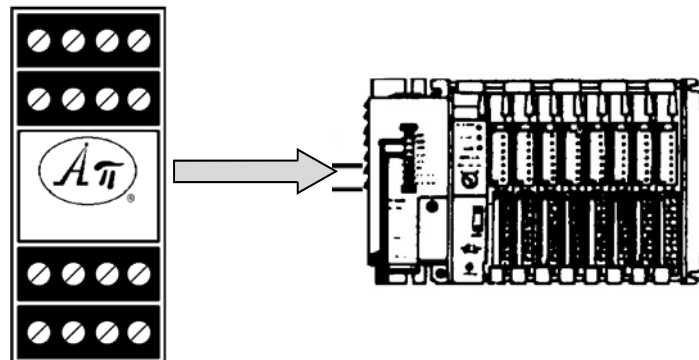
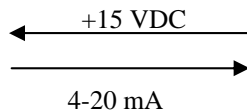
DC to DC Field Rangeable  
Isolated Transmitter



Photo by Panther



Level  
Transmitter



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