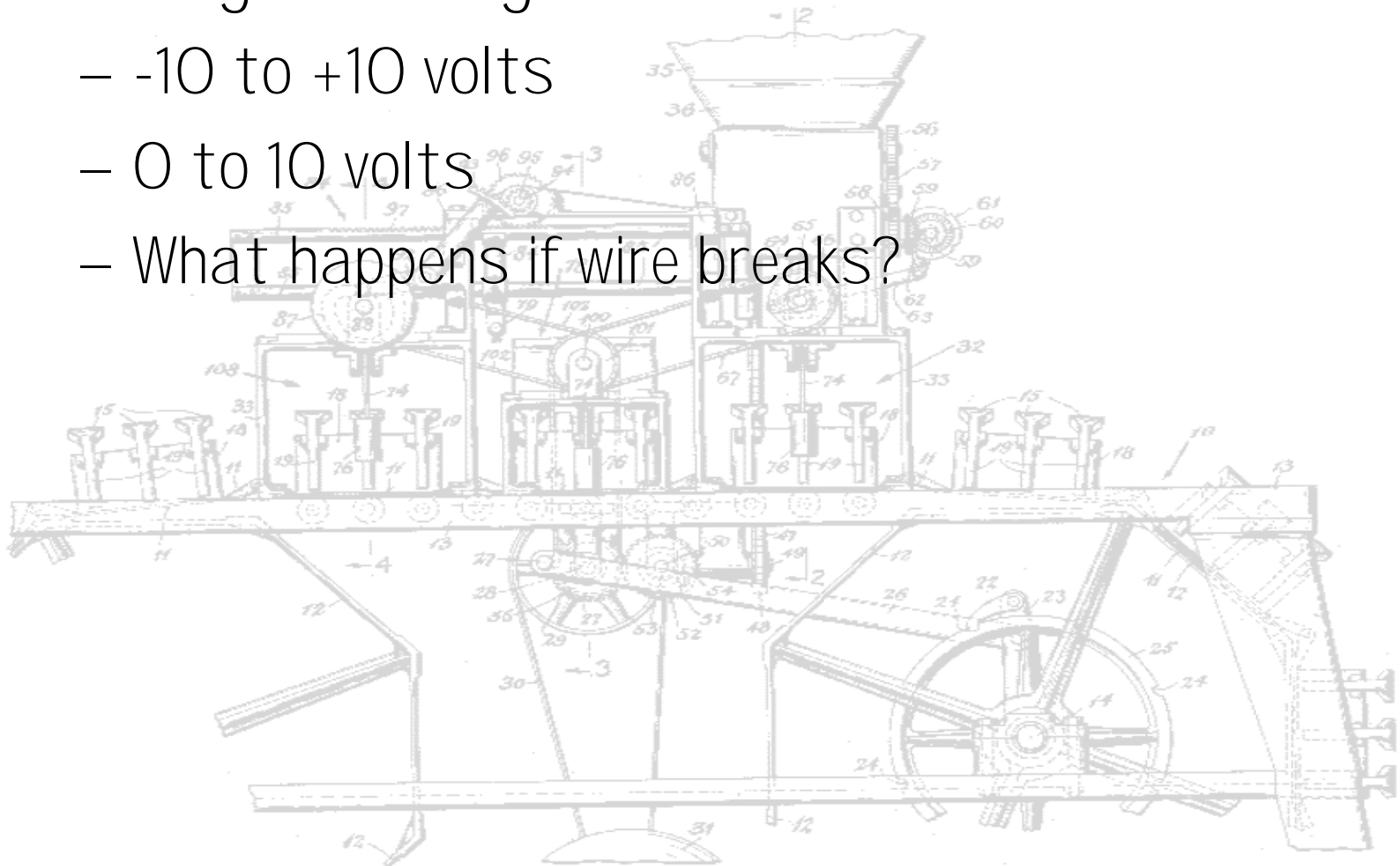


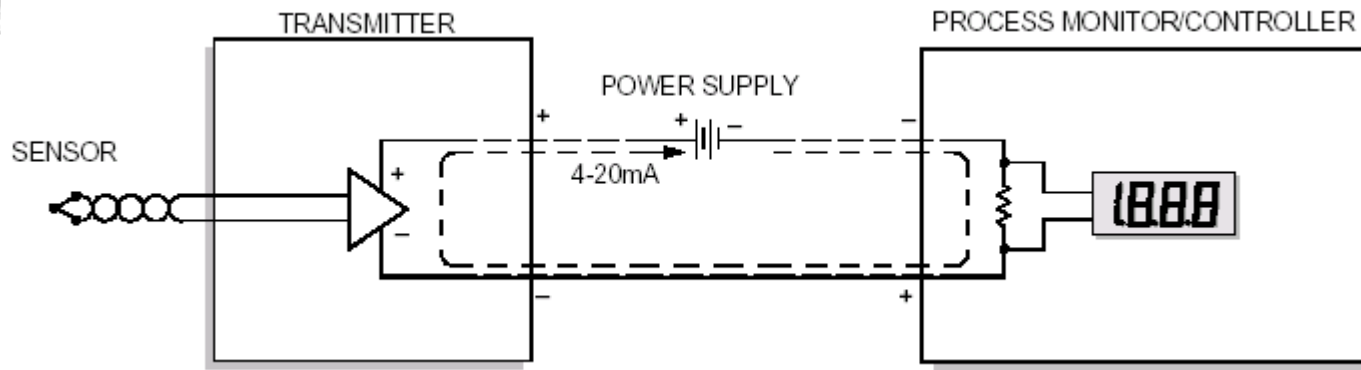
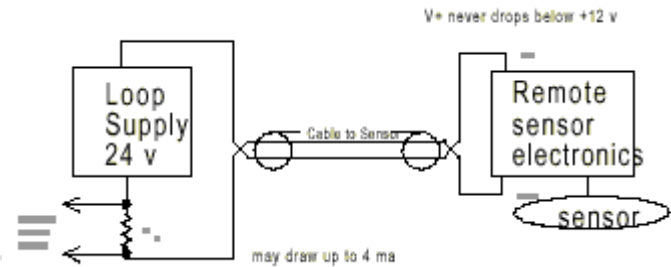
ANALOG SIGNALING

- Voltage sensing
 - -10 to +10 volts
 - 0 to 10 volts
 - What happens if wire breaks?



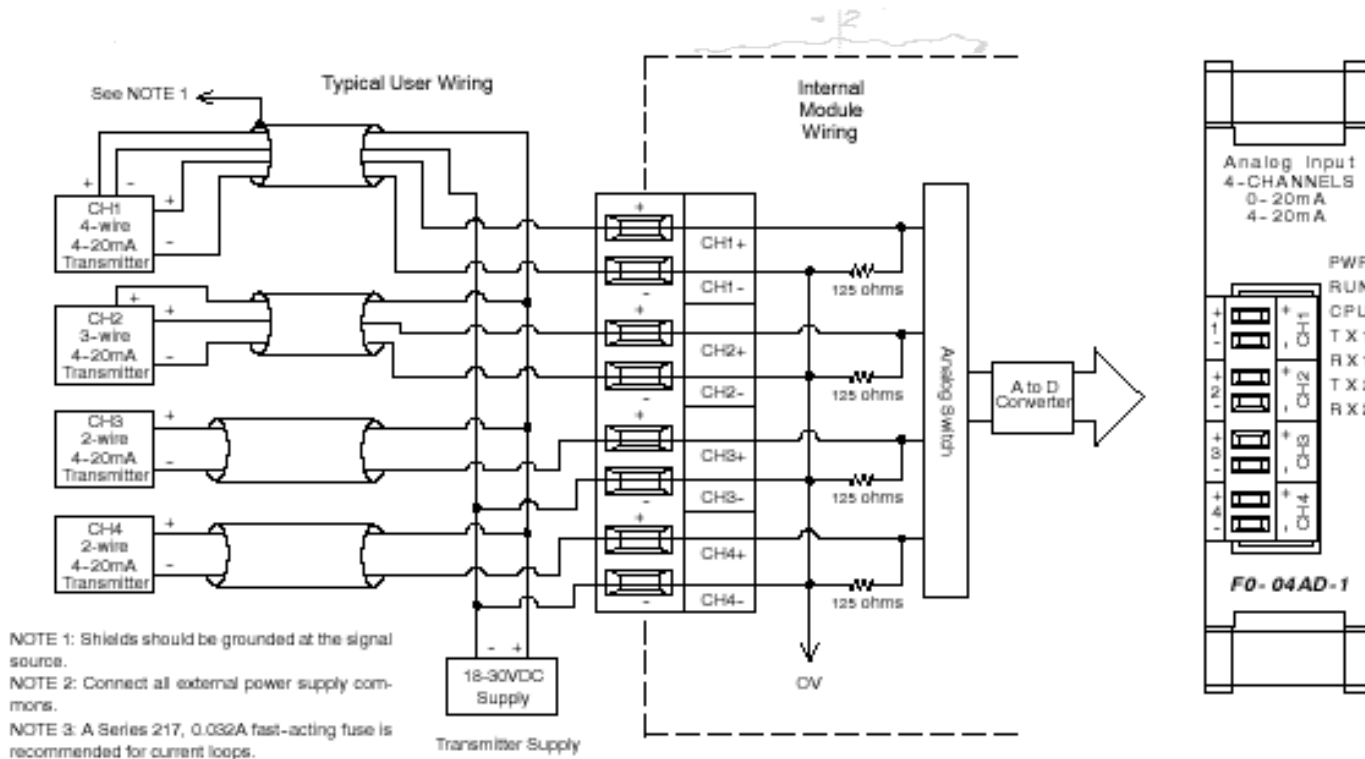
4-20mA ANALOG SIGNALS

- Current sensing
 - 4 to 20 mA current loop
 - 0mA generates error
 - unaffected by resistance of wires
 - $R_{\max} = V_{\text{compliance}} / .020\text{A}$
 - transducer can be “loop powered”
 - Only two wires required



PLC ANALOG INPUT

DL05 has 4 channel Analog Input option



PLC ANALOG INPUT

- V7700 - Data Type & Number of Channels
 - load with K0400 for storing as BCD
 - load with K8400 for storing as Binary
- V7701 - Pointer to Storage Area
 - loading with 02000 (for example) would cause:
 - ch.1 values to go to V2000
 - ch.2 values to go to V2001
 - ch.3 values to go to V2002
 - ch.4 values to go to V2003
 - SP610-613 indicates valid 4-20mA

