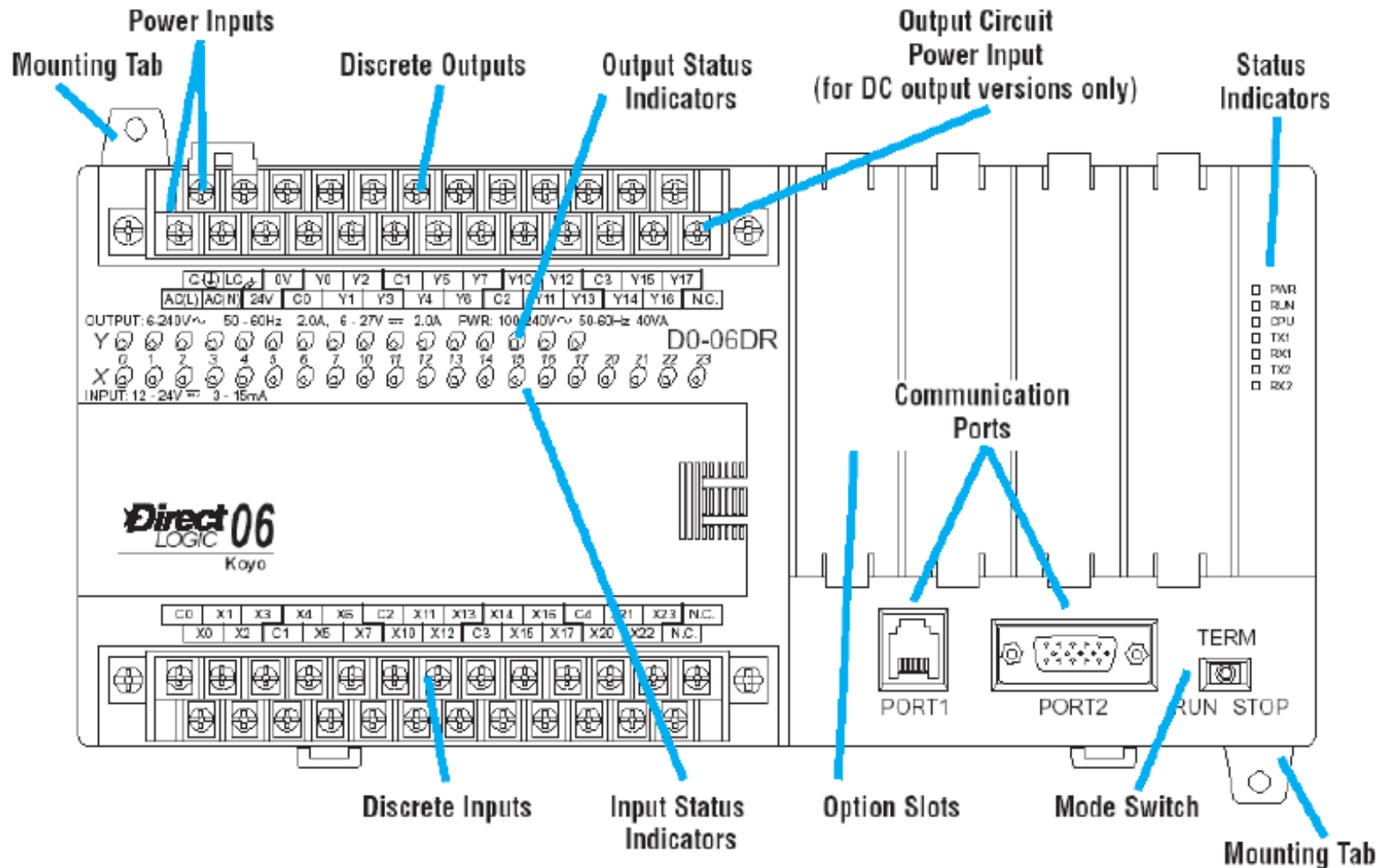


PLC Front Panel

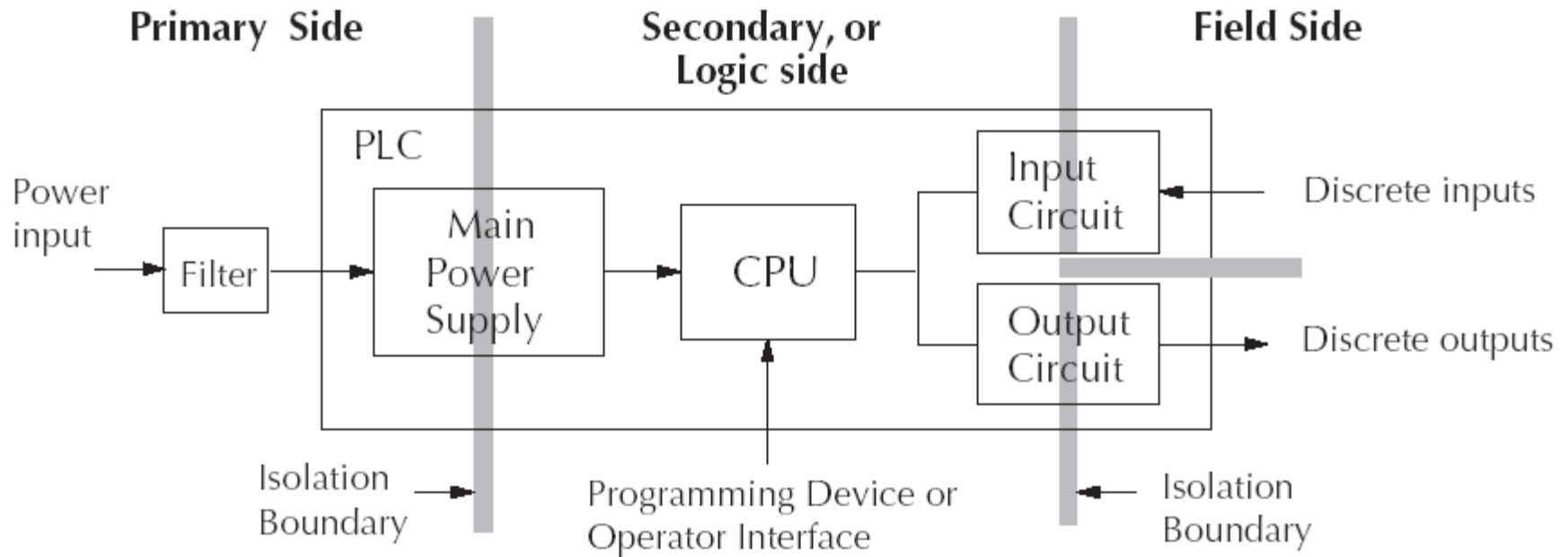


PLC Wiring

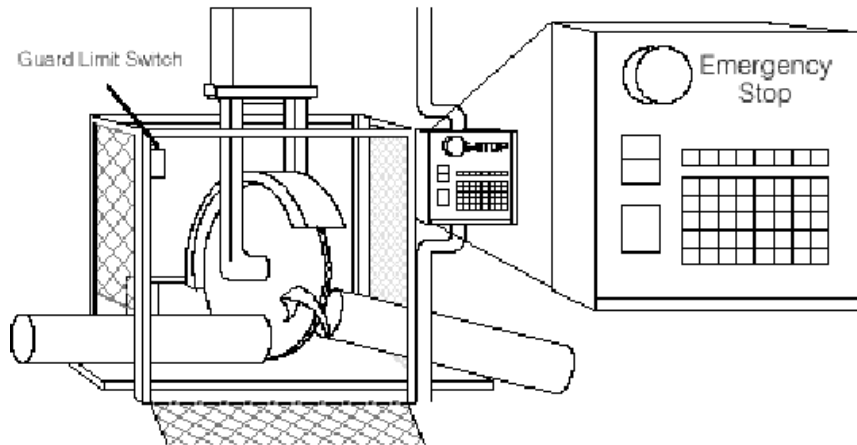
- Power Inputs
- Signal Inputs
- Control Outputs



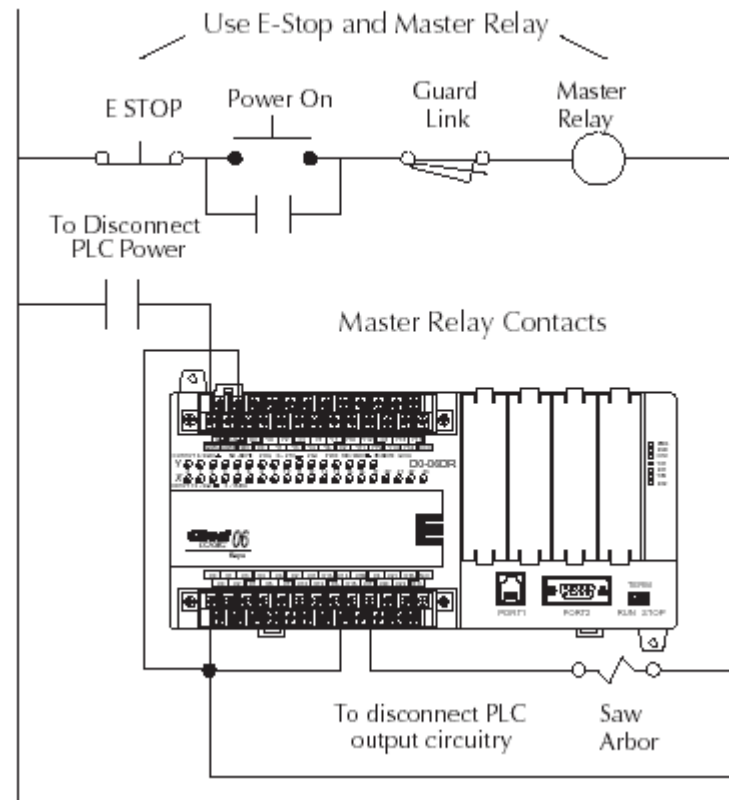
PLC Isolation



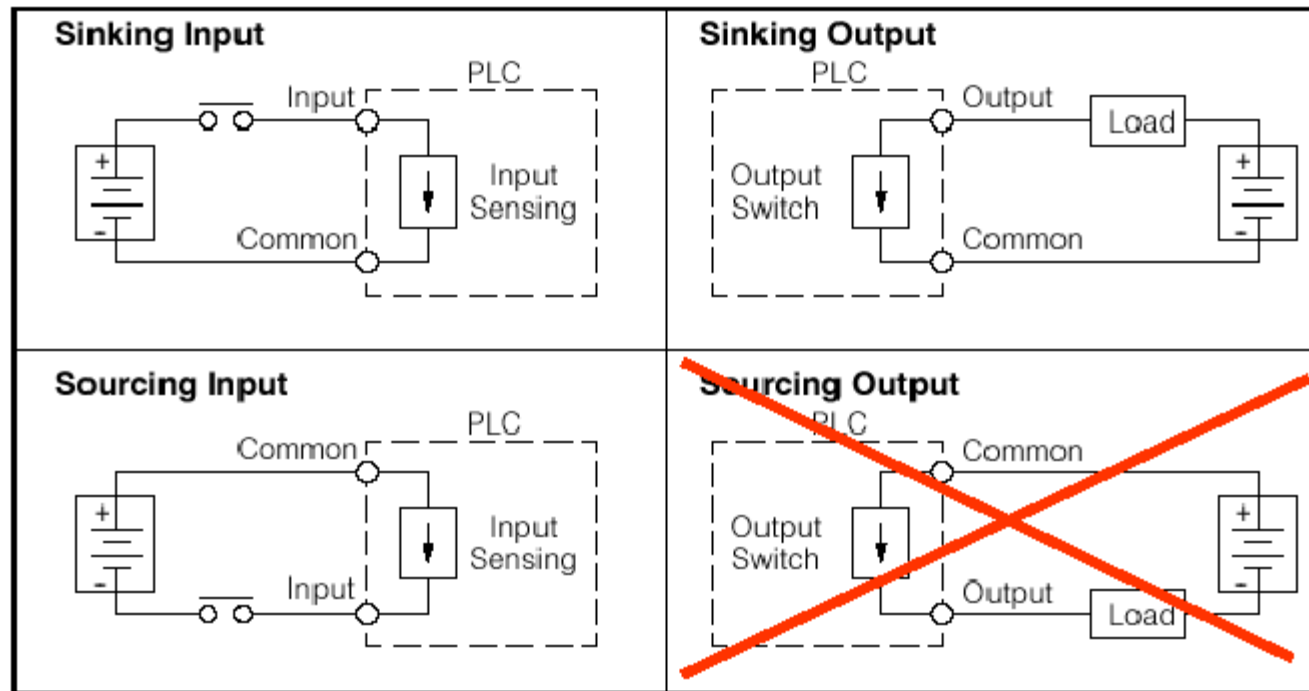
Power Wiring



- Three levels of protection
 - PLC logic - shutdown sequence
 - PLC output power disconnect
 - E-Stop shutdown of all energy sources

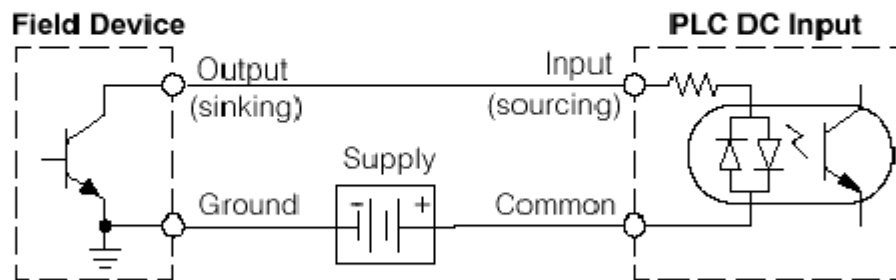
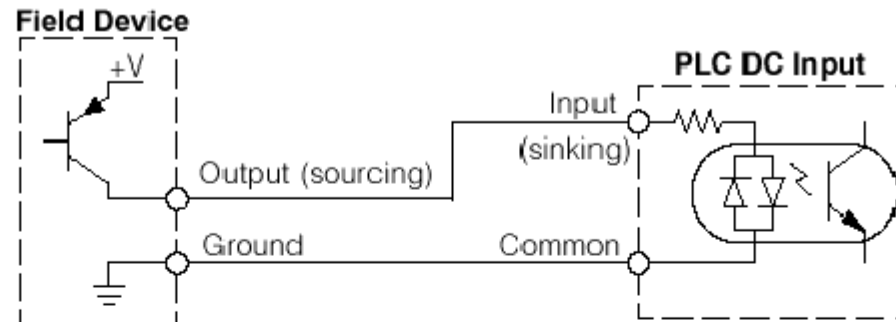


PLC Inputs and Outputs



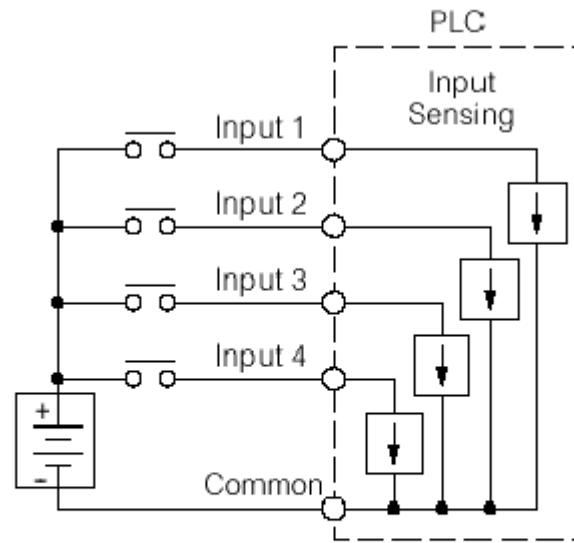
- Sinking = drawing current
- Sourcing = supplying current
- Sinking output connects to sourcing input
- Sourcing output connects to sinking input

DL06 Signal Inputs



C0	X1	X3	X4	X6	C2	X11	X13	X14	X16	C4	X21	X23	N.C.
X0	X2	C1	X5	X7	X10	X12	C3	X15	X17	X20	X22	N.C.	

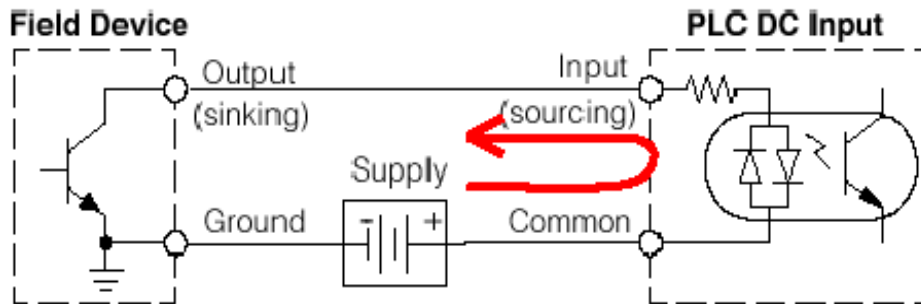
Signal Inputs



Multiple sinking inputs

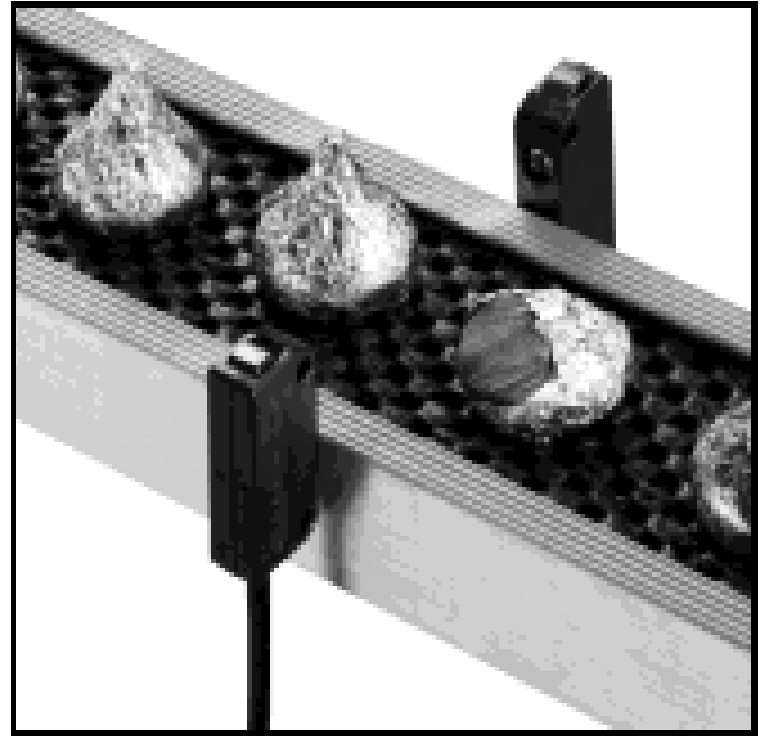
Typical Input Device

- The tag indicates that the LOAD (PLC input) has a +DC common
 - this is a sinking output
 - Sinking output => sourcing input

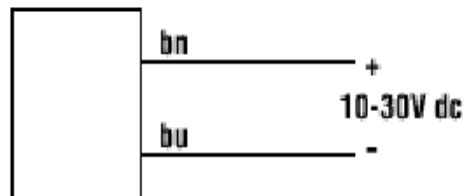


Another Input Device

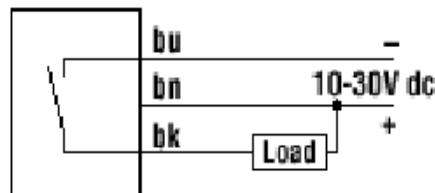
- Photosensor – comes in either NPN (sinking) or PNP (sourcing)



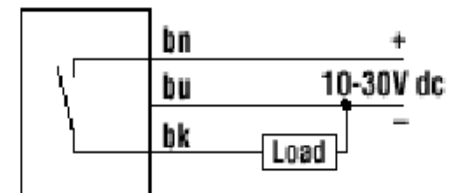
Emitters
Cabled Hookup



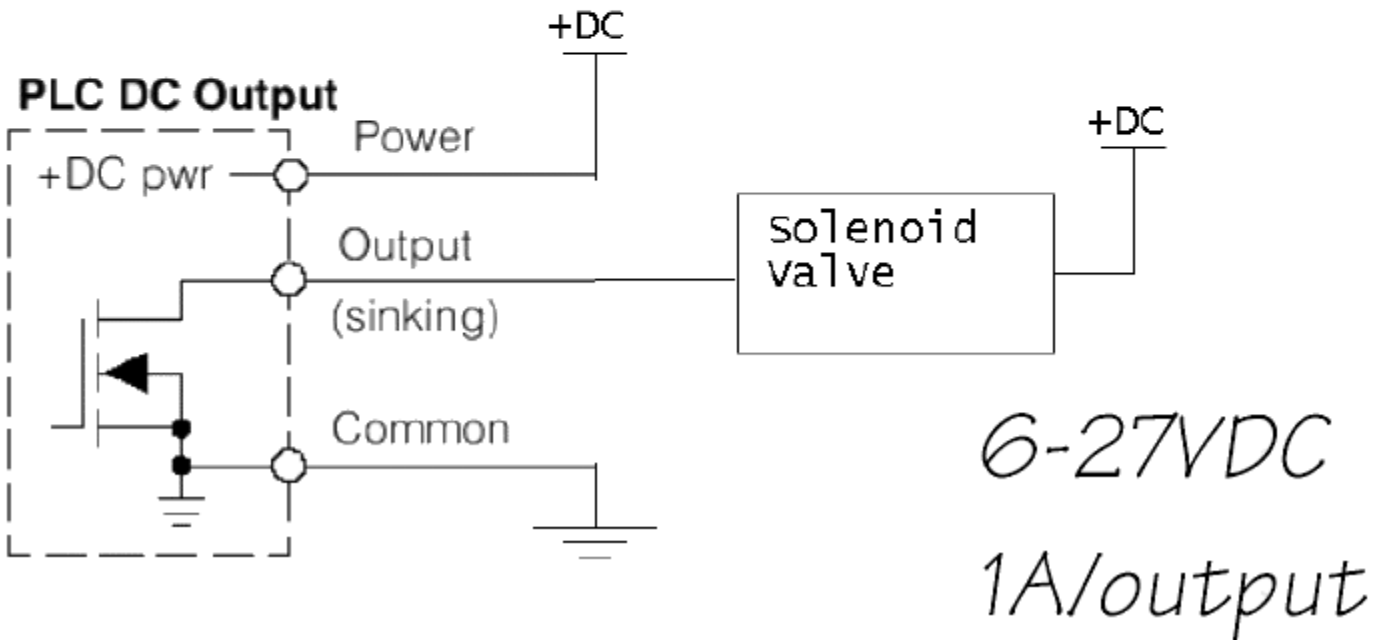
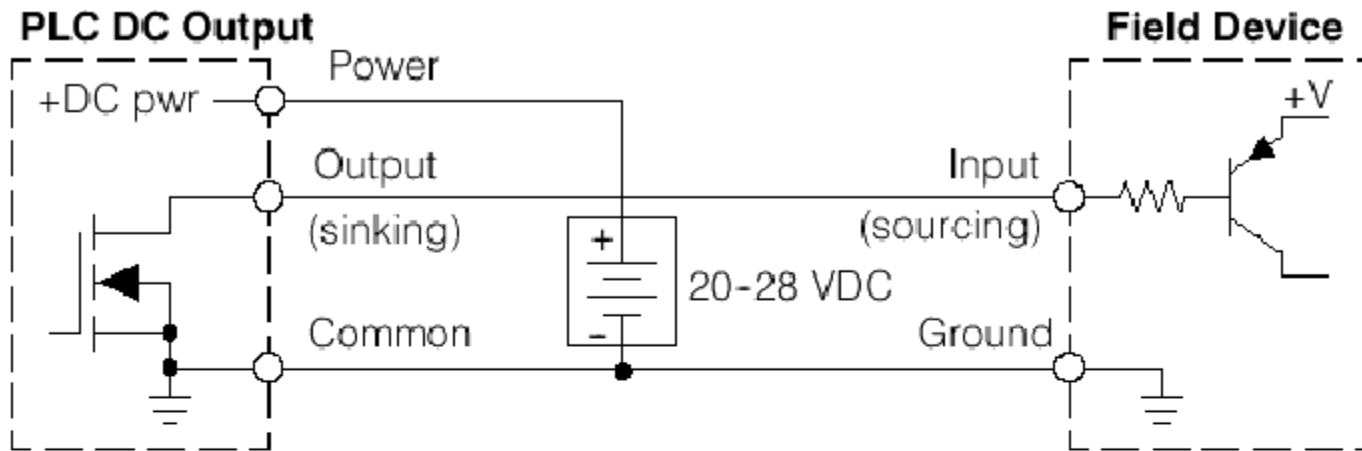
Receivers with NPN Outputs
Cabled Hookup



Receivers with PNP Outputs
Cabled Hookup

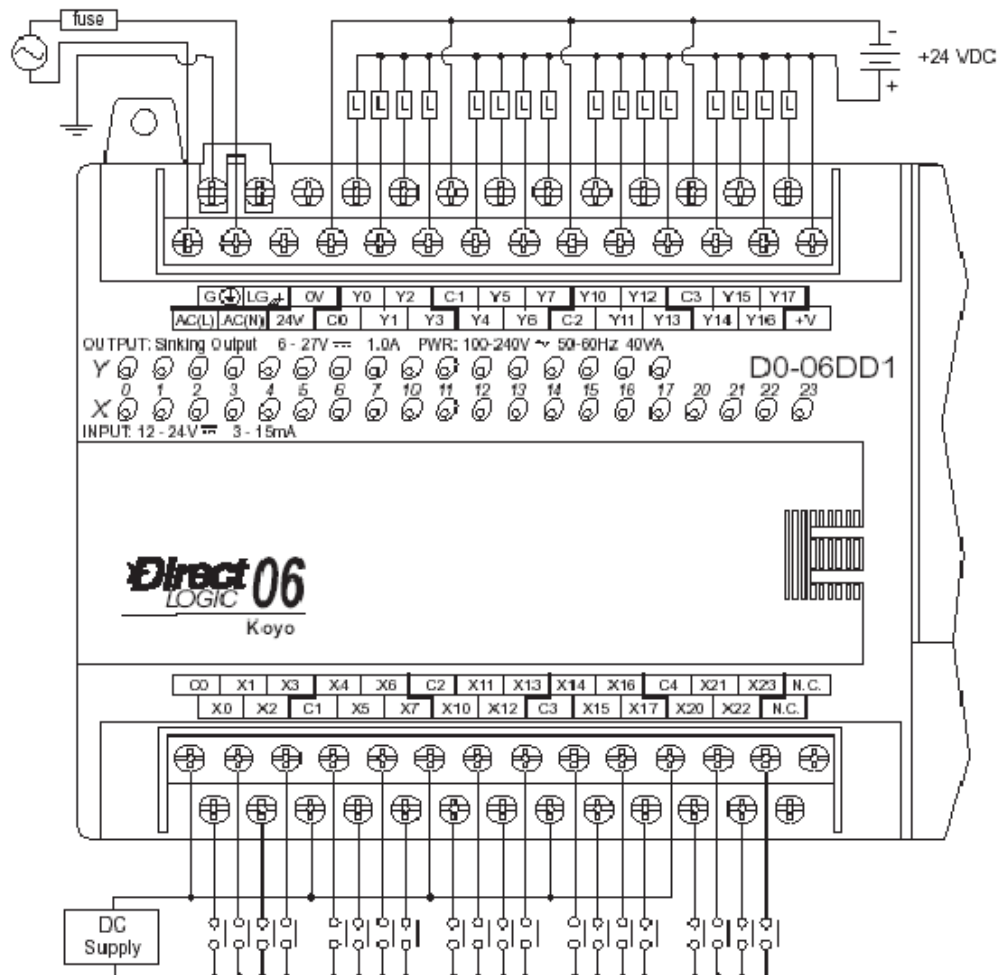


DC Control Outputs



DC Control Outputs

0V	Y0	Y2	C1	Y5	Y7	Y10	Y12	C3	Y15	Y17
C0	Y1	Y3	Y4	Y6	C2	Y11	Y13	Y14	Y16	+V



6-27VDC
1A/output

Wiring Methods

