Wiring Diagram for NPN and PNP 4 wire sensors with the D2-16ND3-2

Product group: 205 series
Information Type: 16 point DC input module
Last revised: 15 Feb, 2002

4 Wire sensor Layout

NPN type sensor
Part #SS2-ON-4A

External 24V DC power supply

Blue
White (NO)
Brown

Module Common
Black to Input

External 24V DC power supply

PNP type sensor
Part #SS2-OP-4A

Module Common
Common
Black

Brown
Blue
White (NC)

Black to Module Input

FAQ
Please refer to our tech support website for more info on sensors. The FAQ section may have information that can help. Click on this link FAQ

Question: What output do I need? NPN or PNP?
Answer: This is determined by the device you are connecting the sensor to. Most ADC PLC modules (except 305 series) allow NPN or PNP sensors to be connected.

Note:
Sinking = provides a path to supply common (–)
Sourcing = provides a path to supply source (+)