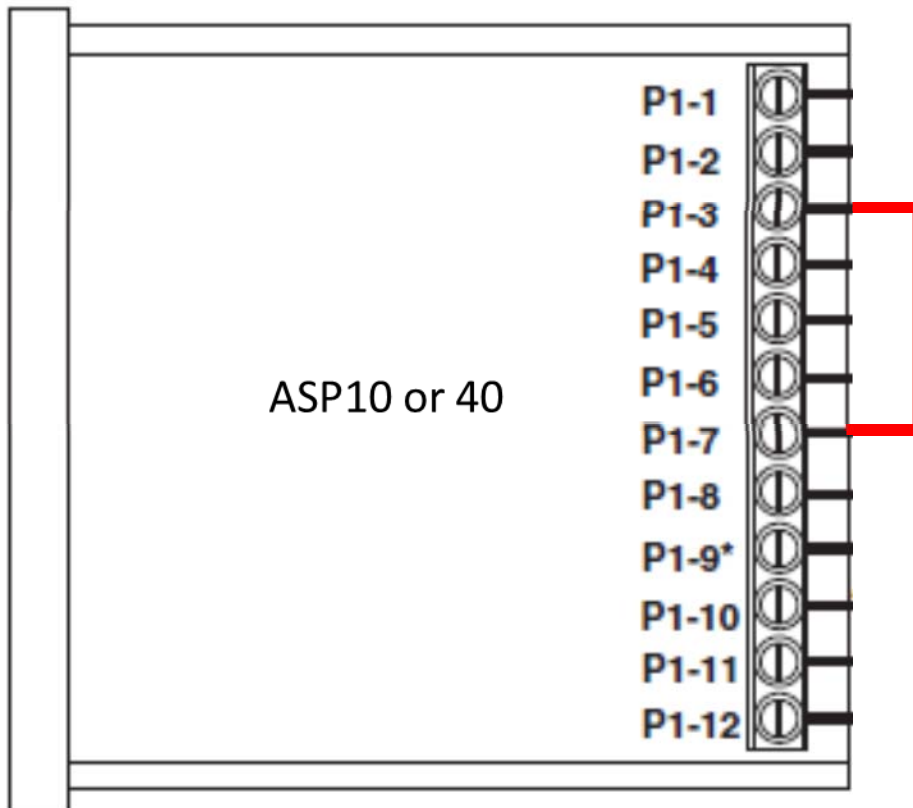# Application Note – ASP10/40 as Control Signal Source

Requirement: Drive / device requires an analog voltage signal input to adjust its output

Solution: Use 5VDC supply on back of ASP as the supply voltage source to be scaled by display setting

Valid for Models: ASP10 and options; ASP40 and options

When an ASP is connected to the speed pot circuit of a drive, the Pot Hi connection (P1-3) received voltage from the drive. This voltage then is scaled back to the drive on the Wiper/ Pot Lo connections based upon the ASP display setting. It may be more convenient or even required by the device being controlled to receive a 2-wire voltage signal, with no Pot Hi connection available to provide a source for the voltage to be scaled. Not a problem; we can use the +5VDC available on the ASP P1-7 as this source, and generate a proportional 0-5VDC 2-wire output signal. P1-3 can be connected to P1-7 even if P1-7 is being used to supply voltage to the feedback speed sensor.