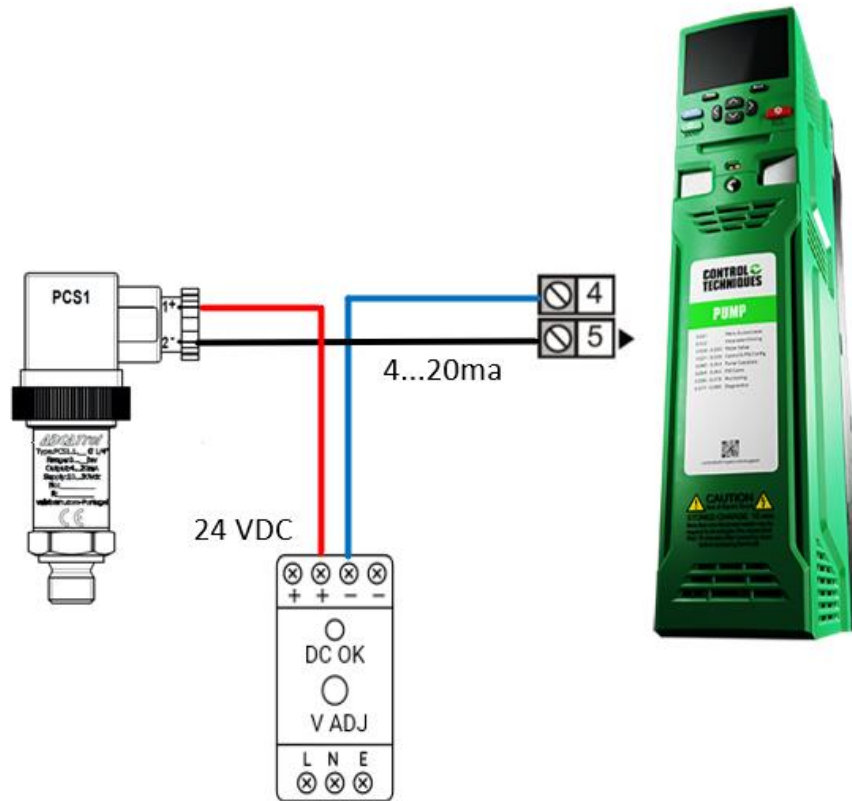


How to connect pressure sensor to F600 Drive

This document aims to demonstrate how to connect pressure sensors to the F600 drive. The rated current of the drive 24vdc is limited to 100mA, so it is not advisable to use the drive's power supply to power the external sensors. This can cause the 24vdc of the drive to drop causing nuisance trips or possibly equipment failure.

3 +24 V user output (selectable)	
Terminal 3 default function	+24 V user output
Programmability	Can be switched on or off to act as a fourth digital output (positive logic only) by setting the source Pr 08.028 and source invert Pr 08.018
Nominal output current	100 mA combined with DIO3
Maximum output current	100 mA 200 mA (total including all Digital I/O)
Protection	Current limit and trip
Sample / update period	2 ms when configured as an output (output will only change at the update rate of the source parameter if slower)

Below is an example of connecting an external source to a 4..20ma pressure sensor



External Power Supply 24 VDC

Note: If there is any sensor necessary for the application connected to the analog input 2, carry out the same procedure for the connections using the external 24vdc source.