

1. OBJECTIVE

Details the wiring of a 4-20mA current loop powered by an 18-24VDC power cube located in the controller enclosure.

Loop powered sensors requiring more than 10 VDC cannot be powered by the controller internal 12VDC supply.

An 18-24 DC power cube may be used to power loop powered sensors.

2. CURRENT LOOP WIRING

These instructions are specific to controller input '**G**' and may be generalized for any controller input '**G**' to '**N**'

Cable AWG 22 RED/BLACK from the loop powered sensor and connect as follows:

Ensure that the loop terminating resistor '**LG**', located immediately inboard on the '**G**' controller terminal is installed. This jumper is installed as the factory default and terminates the current loop with 50 ohms.

<i>Power Cube 18VDC Supply</i>	<i>4-20mA Loop Powered Sensor</i>	<i>Controller Terminal</i>
18 VDC '+' RED	Loop + RED	
18 VDC '-'		G-
	Loop - BLACK	G+ BLACK

Note: Multiple loop powered sensors may be powered from a one 18VDC power cube by connecting all of the Loop + terminals to the 18VDC '+' terminal