YS1700 - Using 24V DC Loop Power Supply

Tech note TN12013
This tech note will enable you to make use of the built-in 24V DC loop power supply to power up to (2) external transmitters. This will eliminate the need for an external power supply.

These transmitters can then be used as inputs into the YS1700 controller.
Wiring the Transmitters

First you will need to acquire (1) 250 ohm, 3W precision resistor for each transmitter. (Yokogawa part # 4859RES250 or equivalent.)

The resistors should be installed across the input terminals for the desired inputs. In this example 1&2 for input 1 and 5&6 for input 3.

Terminal 13 on the YS1700 is the 24V source and should be connected to the positive terminal off each transmitter.
The negative connection of each transmitter should be connected to the positive terminal of the respective input. In our example, terminal 1 for input 1 and terminal 5 for input 3.
Thank you!