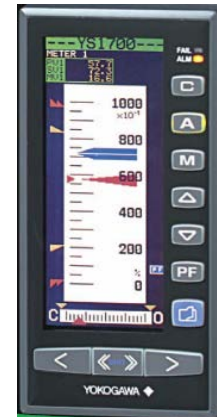




YS1700 – Using 24V DC Loop Power Supply

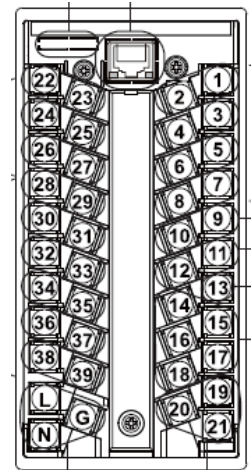
Tech note TN12013

- ❖ 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.



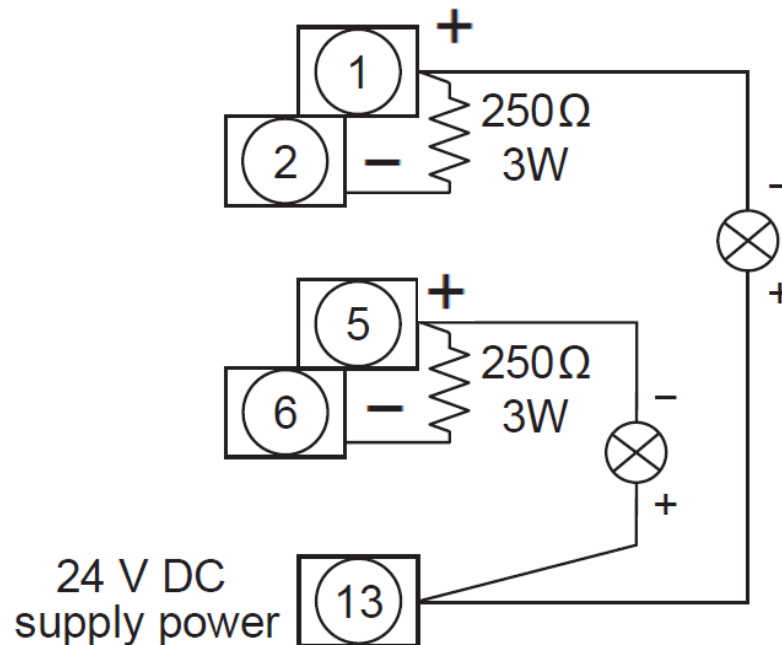
❖ Wiring the Transmitters

- ❖ 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.



❖ Wiring the Transmitters cont.

- ❖ 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.



An aerial photograph of a vast green landscape under a blue sky with scattered white clouds. The sun is low on the horizon, creating a bright glow and long shadows. A large, stylized yellow arrow with a black outline curves across the bottom of the image, pointing towards the right.

Thank you!