

40 Channel Analog Input FTA (T8830)

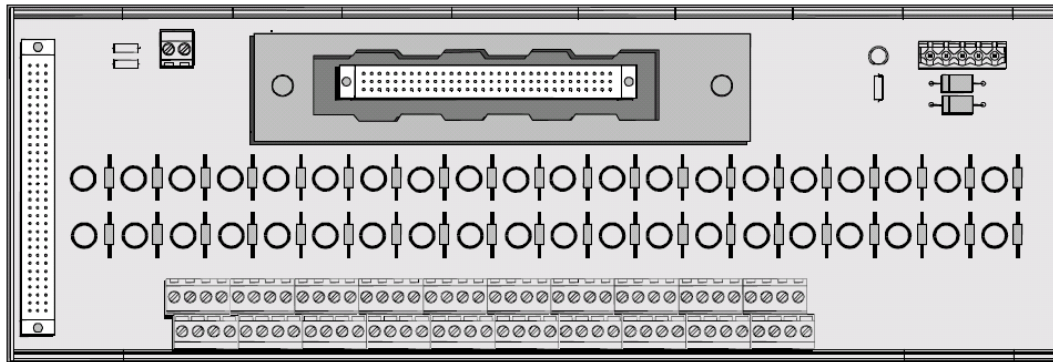


Figure 4-17: Analog Input FTA

The 40 channel analog input FTA, shown in Figure 4-17, is designed to act as the main interface between a field device generating an analog signal and analog input module T8431.

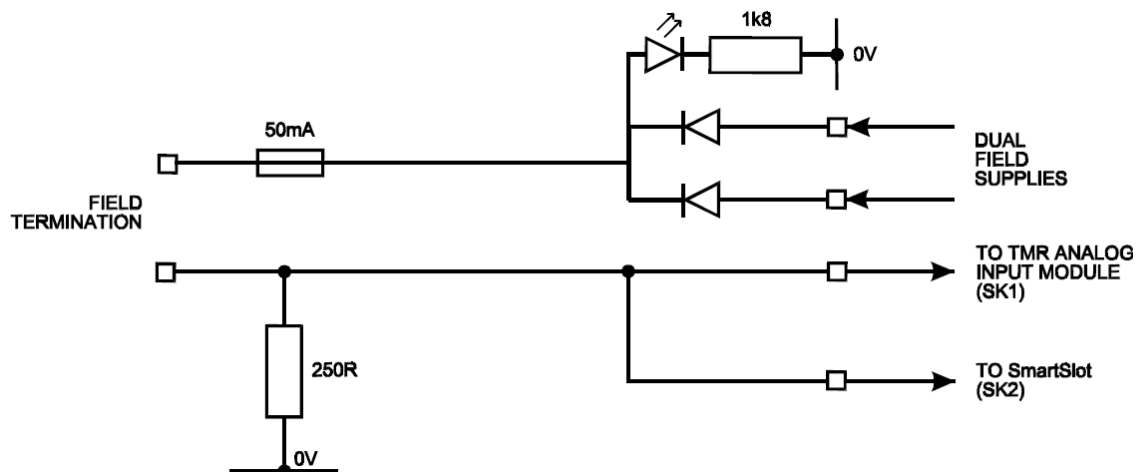


Figure 4-18: Single Channel Schematic for Analog Input FTA

Power for the field is supplied from dual 24V dc feeds which are commoned via diodes on the FTA. Indication of power is provided by a green LED.

The supply voltage to the field is fed via the 50mA fuse. This effectively limits the current in the field loop. The voltage developed across the 250Ω resistor due to the incoming analog signal from the field device is fed directly to the analogue input module.

The cable linking the 40 channels on the input module to the FTA is terminated at the 96-way socket SK1.