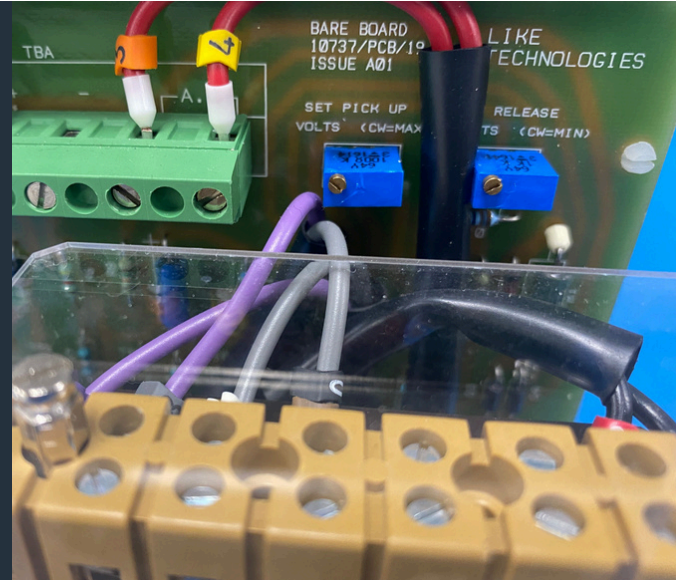


UNDER VOLTAGE RELAY REMANUFACTURE



Challenges

Our customer has a number of units on site that require regular maintenance to ensure plant safety and functionality. Occasionally, units have to be remanufactured for optimum efficiency and cost-effectiveness.

We were tasked with the remanufacture of the EPPE Under-Voltage Relay for use on plant systems. This required a like-for-like product that could be installed with minimal disruption to the existing plant.

Decision-making process

An original unit was received from our customer, which allowed us to undertake in-depth analysis in order to identify the necessary components required for remanufacture.

It was essential that the remanufactured product was true to the original in order for seamless integration. Great care was taken to source identical or equivalent components that performed exactly as those in the original.

Solution

Once the components and necessary boards had been gathered, the remanufactured product was assembled in line with client guidelines and industry standards, mirroring the production of the original unit. The remanufactured product was then subjected to rigorous testing to ensure its functionality was exact and complete, measuring performance against the original unit to monitor for any discrepancies in outcome.

When it was confirmed that the remanufactured product was an exact duplicate of the original, we were able to manufacture multiple units to fulfil our client's requirements.

Results

We were able to provide our customer with an exact replication of their original unit. This guaranteed functionality and enabled installation into the existing plant with minimal disruption.

The comprehensive analysis of the unit and subsequent design process also provided us with the knowledge to efficiently manage any future orders, repairs or further remanufacturing work.