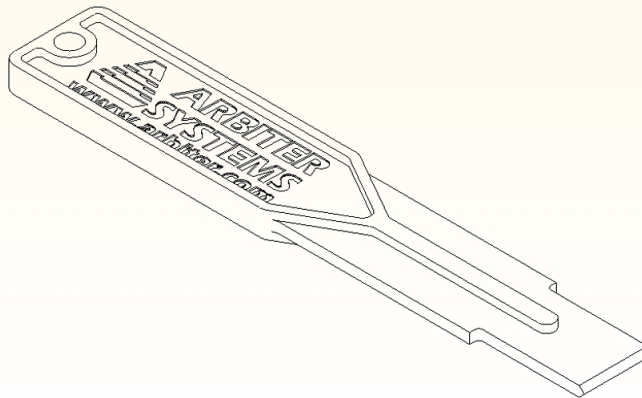


Model 841A, 842A & 842B

Series Test Jack Isolator Paddles

Application Note



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Introduction

The Arbiter Systems Model 841A, 842A and 842B, Series Test Jack Isolator Paddles, were originally designed to work with a States Test Switch. Since then, paddles have been redesigned to operate with a number of other test switches. Design changes include modifying the overall width, blade thickness and support ribs to accommodate many different styles of test switches.

Product Description

Isolator Paddles are intended for temporary separation of series current-jack poles on test switches used for metering and protective-relay circuits. The paddles are constructed of brightly-colored, molded polycarbonate, making them extremely durable and difficult to leave behind. Model 841A consists of a bag of twelve isolator paddles to allow configuration by the end user. Models 842A and 842B come with an 18-24 inch lanyard and a large “REMOVE AFTER TEST” placard. The lanyard is used to group 3 or 4 paddles as desired for ease of storage and use. The “REMOVE AFTER TEST” placard serves to remind the user that the isolators are still in use.

Installation Guidelines

The user must thoroughly understand the dangers associated with open-circuited CT wiring. Resultant overvoltage from opened CT wiring can easily damage conductor insulation and create a significant contact/shock hazard that could result in injury or death.

Before inserting an isolator paddle into the test jack, a bypass means shall be used. Make certain to follow established guidelines, such as an adjacent shorting switch or placement of jumpering components. Most importantly, make certain that there is continuity through the entire external loop prior to opening the circuit with isolator paddles.

By design, the Arbiter Series Isolator Paddles require greater force to install and remove from a test jack than other means of separating the contacts, making them more secure.

After Testing

Remember to remove all isolator paddles and restore switches to their normal operating state when testing is complete.

Cover drawing of an isolator paddle is actual size.