



START DELTA AIR BREAK MOTOR STARTER - SEMI AUTOMATIC

Description

Quality Features For Convenient Operation

Paragon PE-1 star-delta starters are available in two designs: Fully automatic and Semi-automatic.

Semi-Automatic

The motor starts in 'star' when the start button is pressed. This button must be released only after the motor picks up speed. On releasing it contactors change over to 'DELTA'..

Construction

Paragon PE-1 STAR-DELTA STARTERS have THREE PE-1 contactors and one triple pole bimetallic thermal overload relay suitably wired and interconnected.

Contact System

The contactor consists of a fixed contact system with a magnetic core and solenoid coil, a moving contact system with armature. These air break contactors are of bounce free double break design with silver contact tips. Springs used are of stainless steel and contacts are tested for millions of operations.

Overload Protection

The triple pole bimetallic thermal overload relay is of the hand reset type, it unmistakably indicates overload. A temperature



compensation device prevents the relay from being affected by variation in ambient temperature. Housed in a bakelite enclosure the entire relay unit is accurately calibrated and individually tested on an automatic test bench. Setting can be adjusted by means of a pointer. Relays are available in different ranges to suit motors up to 25HP

Undervoltage Protection

under voltage protection is provided by the coil of the contactor. Machine wound. Vacuum impregnated and baked. PE-1 Coils are tested for inter-turn short circuit. They undergo A 4000 v impulse test.

Push Button

Shrouded start and stop push buttons are mounted on the front cover. The stop button which can be latched in the pressed position from outside also acts as the reset button for hand reset of the OVERLOAD RELAYS.