



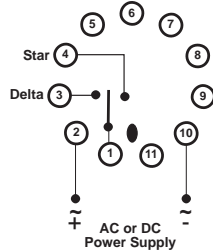
Star-Delta Timer

ST 130



WIRING EXAMPLE

(requires optional S3-B base)



Note: Relay de-energises to the "centre-off" position when power is off.



Application Examples

- Timed switching of contactors from star to delta, with pause, to prevent contactors operating simultaneously

Features

- Relay de-energises to "centre-off" position for failsafe operation.
- Internal 2 x 2 C/O (ie. 2 x DPDT) relay method of interlocking of contacts ensuring break before make.

ORDERING CODE

TYPE	SUPPLY VOLTAGE	AC/DC	RELAY CONTACTS
ST130	415	AC	S

Technical Specification

Power Supply:

AC: 48, 60, 110, 240 (ie. 220-240), 400, 415, 525V ±15%
 DC: 10-30V AC/DC, 48, 60, 110 VDC ±10%

Reset:

Power supply to be interrupted for at least 1 second.

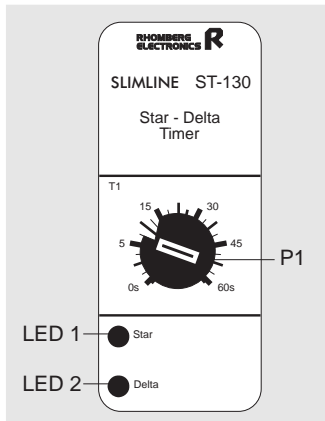
Star Time setting:

0-60 seconds adjustable.

Pause Time:

approx. 75 msec ±10%

Description of Controls

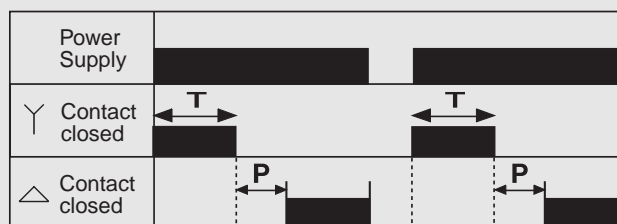


P1: The **Time Setting** is adjusted on P1, between 0 - 60 seconds, ie. the star contact closure time.

LED 1: The LED marked "**Star**" is illuminated when star contact is closed (i.e. pins 1 & 4 are connected).

LED 2: The LED marked "**Delta**" is illuminated when delta contact is closed (i.e. pins 1 & 3 are connected).

Operational Diagrams



T = Set time

P = Pause of approximately 75ms