

JUNE 1980

### APPLICATION

The type TEB1 relay provides either overvoltage or undervoltage protection for 3-phase systems. The type TEB2 relay provides either overvoltage or undervoltage protection for single-phase systems.

### DESCRIPTION

The single-phase overvoltage relay basically comprises a tapped input transformer fitted with a plug-bridge, a potentiometer, a level-detector and a dry-reed repeat element. When the relay setting is exceeded the level-detector triggers and so energises the repeat element.

The single-phase undervoltage relay is similar to the above but is maintained operated and 'drops-off' when the monitored voltage falls below the relay setting.

The three-phase relays comprise three of the above elements.

### RATING

110V a.c.

### FREQUENCY

50/60 Hz

### SETTING

Overvoltage: 105—135% of rating in 5% steps or, 110—170% in 10% steps.

Undervoltage: 70—100% of rating in 10% steps, (with a maximum continuous input of 132V).

} variable by plug-bridge, a potentiometer permits line adjustment.

### OPERATING TIME

Overvoltage: less than 30ms with 110% setting volts applied.

Undervoltage: less than 40ms with 132V applied, then removed.

### CONTACT ARRANGEMENT

1 make/element, self-reset.

### CONTACT RATING

Make duty-resistive, 50W d.c. within the limits of 3A and 500V.

### CASES

Case Reference Numbers: type TEB1 — 1V  
type TEB2 — 1c,  $\frac{2}{3}$ V or 1V

### BURDEN

3VA/element approximately, at rating.

### INFORMATION REQUIRED WHEN ORDERING

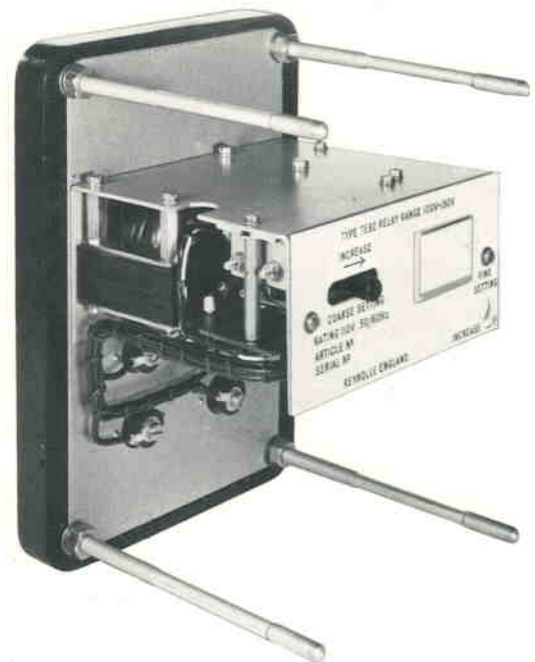
Relay type reference.

Over or undervoltage.

Setting range (if overvoltage).

Case reference number.

The policy of Reyrolle Protection is one of continuous improvement and development. The Company therefore reserves the right to supply equipment which may differ slightly from that described and illustrated in this publication.



TYPE TEB2 RELAY

Key to case reference numbers: See cases leaflet for dimensions.

1c = Single pole projecting non-drawout case

$\frac{2}{3}$ V =  $\frac{2}{3}$  pole Vedette drawout case

1V = Single pole Vedette drawout case.