



FTH 215
Built-in control

FTH 215

- **TIMER FOR STAR-TRIANGLE STARTERS.**
- **Two time ranges.**
- **Repeating precision $\pm 5\%$**
- **Scale precision $\pm 10\%$**
- **Reset 700 ms.**
- **Built-in adjustable control.**
- **Led indicating power on.**
- **Leds indicating relays on.**
- **A.C. or D.C. supply.**

CHARACTERISTICS

Technical data in common
See page 10 and 11

Form of adjustment

By means of knob built in the box, on a 0-10 relative scale.

Time ranges

0.5 s. - 30 s.

0.1 s. - 60 s. - (Jumper on 5 and 6).

Fixed coupling time between star and triangle 80 ms. On request, another coupling time can be made.

Repeating precision

$\pm 5\%$

Precision

Scale $\pm 10\%$.

Maximum time deviation

It admits a $+10 - 15\%$, supply voltage variation, keeping the time within the mentioned precision and repeating precision margins.

Reset of the time and/or the relay

By disconnecting the supply for longer than 700 ms.

Accessories

Sockets.

IDM system coding ring.

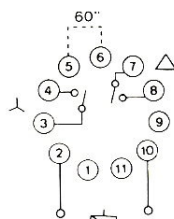
Attachment spring.

Front mounting frame.

Protecting covers.

OPERATING PRINCIPLE

Example 1



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When the supply power is connected, the star relay operates immediately. After the pre-set time, it releases, and a fixed 80 ms. time starts. After this time, the triangle relay operates, staying operated for an indefinite period of time.

By connecting terminals 5 and 6, the time range is 0.1 s. - 60 s.

FUNCTION DIAGRAM

