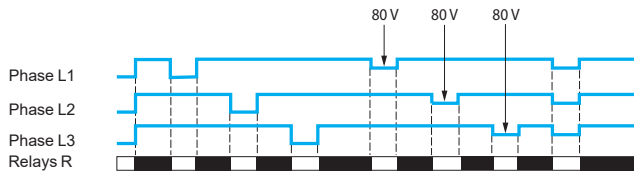


Operating principle (continued)

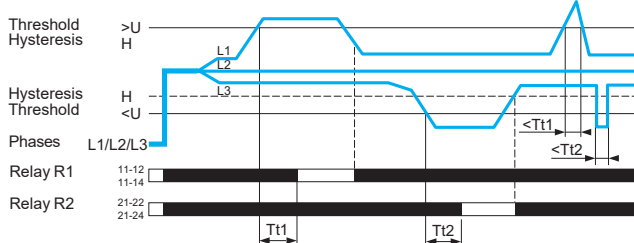
RM35UB3N30

Overvoltage/undervoltage + absence of neutral control

Phase loss



Overvoltage and undervoltage



- The relay monitors:
 - presence of the neutral
 - the undervoltage
 - the overvoltage
 - phase loss (U measured < 80 V)

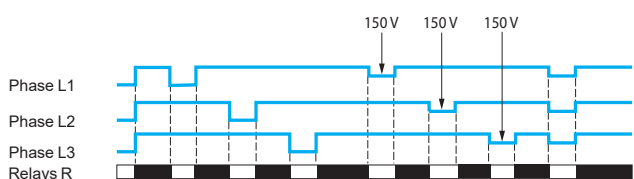
- Each threshold has its own independently adjustable time delay from 0.3 to 30 s.
- If a voltage fault is detected, the corresponding relay (one undervoltage output/one overvoltage output) opens at the end of the time delay set by the user.
- In the absence of either neutral or phase, both relays open instantly without waiting for the end of the time delay set by the user.
- On energization of the device with a detected measured fault, the relays stay open.

Note: Tt 1: overvoltage threshold delay (adjustable on front panel).
 Tt 2: undervoltage threshold delay (adjustable on front panel).

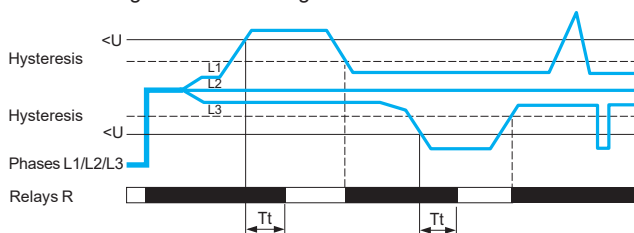
RM17UB310

Overvoltage/undervoltage control

Phase loss



Overvoltage and undervoltage



- The relay monitors:
 - the undervoltage
 - the overvoltage
 - phase loss (U measured < 150 V)
- An adjustable time delay from 0.3 to 30 s allows inhibition of the output relay if a transient fault occurs.
- If a voltage fault is detected, the relay opens at the end of the time delay set by the user.
- On energization of the device with a detected measured fault, the relay stays open.
- If phase loss is detected, the relay opens instantly.

Note: Tt : overvoltage and undervoltage threshold delay (adjustable on front panel).

Harmony Control Relays

3-phase voltage control relays
RM17UB3 and RM35UB3



RM35UB330



RM17UB310



RM35UB3N30

References				
Function	Measurement range	Output	Reference	Weight
	V			kg/lb
■ Overvoltage and undervoltage between phases	220...480 ~ (Phase-phase)	1 CO +1 CO 1 per threshold 5 A	RM35UB330	0.130/ 0.287
	208...480 ~ (Phase-phase)	1 CO 5 A	RM17UB310	0.080/ 0.176
■ Overvoltage and undervoltage between phases and neutral	120...277 ~ (Phase-neutral)	1 CO +1 CO 1 per threshold 5 A	RM35UB3N30	0.130/ 0.287
■ Absence of neutral				