

Operating principle (continued)

RM35TM250MW

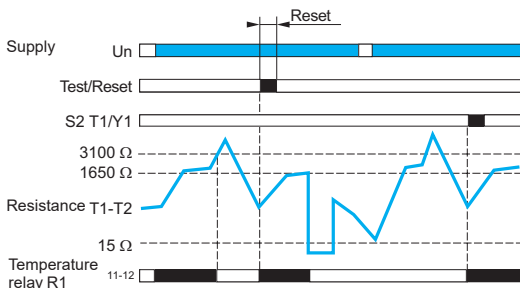
Configuration

This configuration is considered when relay RM35TM250MW is energized.

- Set the switch to the required operating mode:
 - Temperature control without memory
 - Temperature control with memory
- On energization, placing the switch in one of the five intermediate positions holds the relay in the open contact state and the detected error is signaled by simultaneous flashing of the LEDs.
- The position of the mode selector switch is taken into account on energization.
- Any modification of its position during operation has no effect - the active configuration may therefore be different from that indicated by the switch - the RM35TM250MW operates normally but the change in configuration is signaled by simultaneous flashing of the three LEDs.

Motor temperature control via PTC probe with memory

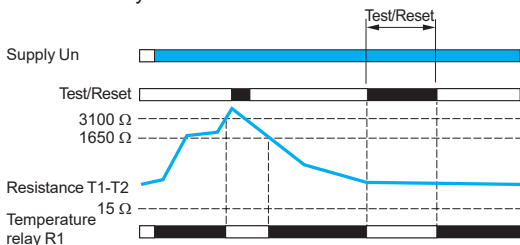
□ Memory



- Relay RM35TM250MW has a selector switch which allows the temperature control operating mode to be configured with or without memory.
- In "memory" mode, when a fault is detected, the "temperature" relay locks in the open position.
- As soon as the temperature returns to the correct value, the relay can be unlocked (reset), either by pressing the "Test/Reset" button (for at least 200 ms), or by closing a volt-free contact (for at least 200 ms) between terminal Y1 and T1 (without a parallel load).
- Relay RM35TM250MW can also be reset by switching off the power (see reset time).

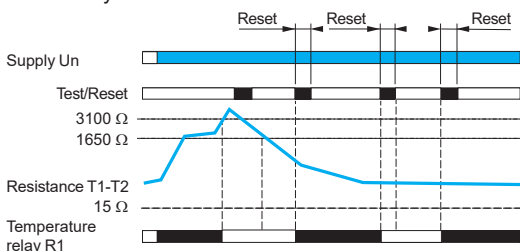
Use of "Test/Reset" button

□ No Memory



- Relay version RM35TM250MW has a "Test/Reset" button which can be used to check that the temperature control function is working correctly and to reset this function after locking in "memory" mode.
- The press and release times are 50 ms for both functions.
- When the temperature is normal, pressing the "Test/Reset" button simulates overheating, the "temperature" output relay contact is open and the <V> LED is off.
- If "memory" mode is not active, "fault" indication is maintained for as long as the button is pressed.
- If "memory" mode is active, "fault" indication is locked and the button needs to be released and pressed again to reset the function.
- In "memory" mode, when a fault has been detected and the temperature has returned to normal, the "temperature" control relay can be unlocked (reset) by pressing the "Test/Reset" button.

□ Memory





RM35TM50MW



RM35TM250MW

References					
Function	Supply voltage	Measurement range	Output	Reference	Weight
	V	V			kg/lb
■ Phase sequence	24...240 ~	208...480 ~	2 NO	RM35TM50MW	0.120/
■ Phase loss			5 A		0.264
■ Motor temperature via PTC probe					

■ Phase sequence	24...240 ~	208...480 ~	2 NO	RM35TM250MW	0.120/
■ Phase loss			5 A		0.264
■ Motor temperature via PTC probe					
■ Selection (with or without memory)					
■ "Test/Reset" button					