

Top 10 Relays (by US sales)

Use cases



CRM-161
Multifunction Time Relay
(6 functions)

Described Function
On Delay

Automotive industry
Assembly line

Coordination of timing between individual production line stations:

When one station completes its part of the work (e.g., engine assembly), the timing relay triggers the next station (e.g., body assembly) after a set delay.



CRM-183J ZR
Singlefunction time relay
On Delay

Water Treatment and Waste Management
Pumps in a water treatment plant

Delayed activation of individual pumps:

When starting multiple pumps (e.g., during the transfer of waste to the biological treatment tanks), the relay ensures that the pumps are activated one after another, with a defined delay.



CRM-2H
Singlefunction time relay
Asymmetric Cyclers

HVAC Industry
Building ventilation system

Warehouse cyclic ventilation:

In rooms that need to be regularly ventilated (e.g., a storage room), the relay can be programmed to regularly turn the ventilation system on and off, allowing for effective and precise control of ventilation cycles.



CRM-82T0
Multifunction Time Relay
(2 functions)

Described Function
Off Delay Without Supply Voltage

Security Industry
Emergency lighting

Delayed shutdown of emergency lighting after the main power source is restored:

It allows the emergency lighting to be powered by a backup source for up to 10 minutes after the main power source is restored, avoiding a complete blackout in case of a repeated power outage.



CRM-91H
Multifunction Time Relay
(10 functions)

Described Function
Impulse Generator

Textile Industry
Fabric feeding machine

Feeding machine timing:

The relay generates pulses at a specific interval to ensure precise timing and control of the fabric feeding machine. It guarantees its efficient and reliable operation with precisely set parameters.

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CRM-93H
Multifunction Time Relay
(10 functions)

Described Function
Memory (Impulse) Relay

Elevator Manufacturing
Passenger elevator

Floor buttons and consequent elevator movement:

After pressing a floor button, the relay activates the corresponding circuit and keeps it active even after the impulse ended, keeping the elevator in motion, until a second pulse is received, this time to stop the elevator.



HRN-56
Voltage Monitoring relay

Food Industry
Motor in an industrial mixer

Stopping the motor in case of a phase failure:

In case of a phase failure, the relay stops the mixer motor to prevent any damage that may occur due to its improper rotation.



PRI-51
Current Monitoring relay

Electronics Manufacturing
Assembly line

Overcurrent monitoring in component motors:

In case of overcurrent in the motor of an assembly line component, the relay will turn off this motor to prevent it from overloading or jamming.



VS116U
Power Relay

Mining industry
Mining excavator

Control of mining excavator components:

The components of an excavator are controlled by massive motors, operating at currents too high to be controlled directly. The relay splits the circuit into a control part and a power part. The control part operates at a low current, which can be handled by the control panel inside the driver's cabin.



VS308U
Power Relay

Construction
Construction crane

Control of construction crane components:

The components of a crane are controlled by massive motors, operating at currents too high to be controlled directly. The relay splits the circuit into a control part and a power part. The control part operates at a low current, which can be handled by the control panel inside the driver's cabin.