Foxboro RLY4 2500M/RLY4/XXXXX/XXXXXX

System architecture

A relay output has two distinct sides: the station commands the relay, while the switched field circuit supplies the load. The contact is the boundary between them. Control electronics being off does not establish that a field terminal is safe to touch.

Technical data

Parameter	Value
Output channels	4
Channels 1–3 contact form	Normally open (NO)
Channel 4 contact form	Changeover (CO)
Output functions	On/off; time-proportioned; valve raise/lower
Terminal-unit screw terminals	12
Contact suppression	Removable RC snubbers
Snubber network	22 nF + 100 Ω across NO contacts

Interpret the operating symptom

Observation	Engineering check
Load remains on	Measure the open-contact circuit and consider the snubber leakage path before diagnosing a welded contact.
One channel behaves differently	Check whether the circuit is on the fourth, changeover relay and which throw has been wired.
Contact wear	Review switching frequency, inrush and inductive energy; select suppression for the actual load.

Other Foxboro catalogue pages — separate products

Foxboro P0914XB

Foxboro P0926JM