Foxboro AO2 2500M/AO2/XXXXX/XXXXXX

System architecture

Each output calculates its electrical drive from an engineering demand. Separate channel configuration allows the two receivers to require different signal modes. The receiving circuit is part of the performance check: a correct software demand alone does not prove that the actuator receives the intended electrical signal.

Technical data

Parameter	Value
Output channels	2
Channel signal modes	Voltage or current, individually selectable
Terminal-unit connections	4 screw terminals
Channel 1 terminals	1+ and 1−
Channel 2 terminals	2+ and 2−
Channel power source	Isolated supply derived from the 24 V base
Maximum module consumption	2.2 W
Nominal conversion resolution	Better than 1 part in 10,000
Standby actions	Low limit; high limit; continue

Interpret the operating symptom

Observation	Engineering check
Demand changes but the actuator does not	Measure the actual output at the receiver and check its supply, mode and scaling.
Signal stops increasing	Investigate the load and wiring before altering the demanded range. A drive limit and a scaling limit are different causes.
Unexpected standby position	Inspect the selected low-limit, high-limit or continue action and test it with the process protected.

Other Foxboro catalogue pages — separate products

Foxboro FBM223 P0917HD

Foxboro FBM219 P0916RH