E0 on one page

SYSTEMS

SYS Parts working together: input → process → output.

DIAG System diagram: one box, external inputs/outputs only.

BOUND Box edge = system boundary.

CONTROL

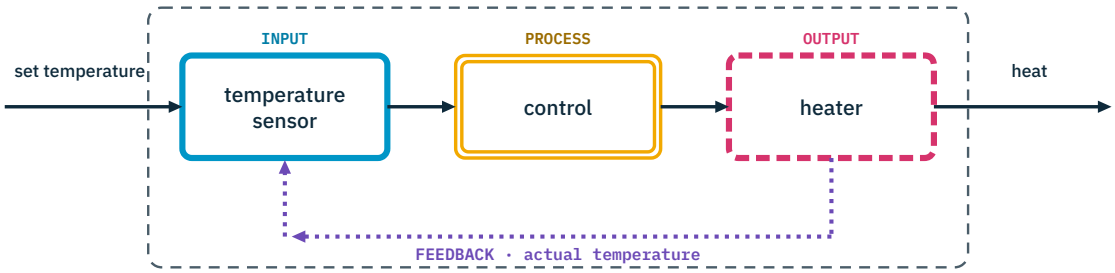
OPEN No feedback; cannot correct errors.

CLOSED Sensor feeds back; control compares actual with set.

ERROR Error → act. No error → stop.



Universal system diagram



Closed-loop sub-system diagram

SHORT CIRCUIT · EXAMINER TIPS

- Universal diagram: use exactly INPUT, PROCESS, OUTPUT.
- System diagram: external inputs/outputs, not components (a motor is internal).
- Sub-system diagrams: link sensors to the controller; arrows on every link.
- Feedback: arrows on both connections; open loop has none.
- Describe closed loop: sense, feed back, compare, act on error, stop when no error.