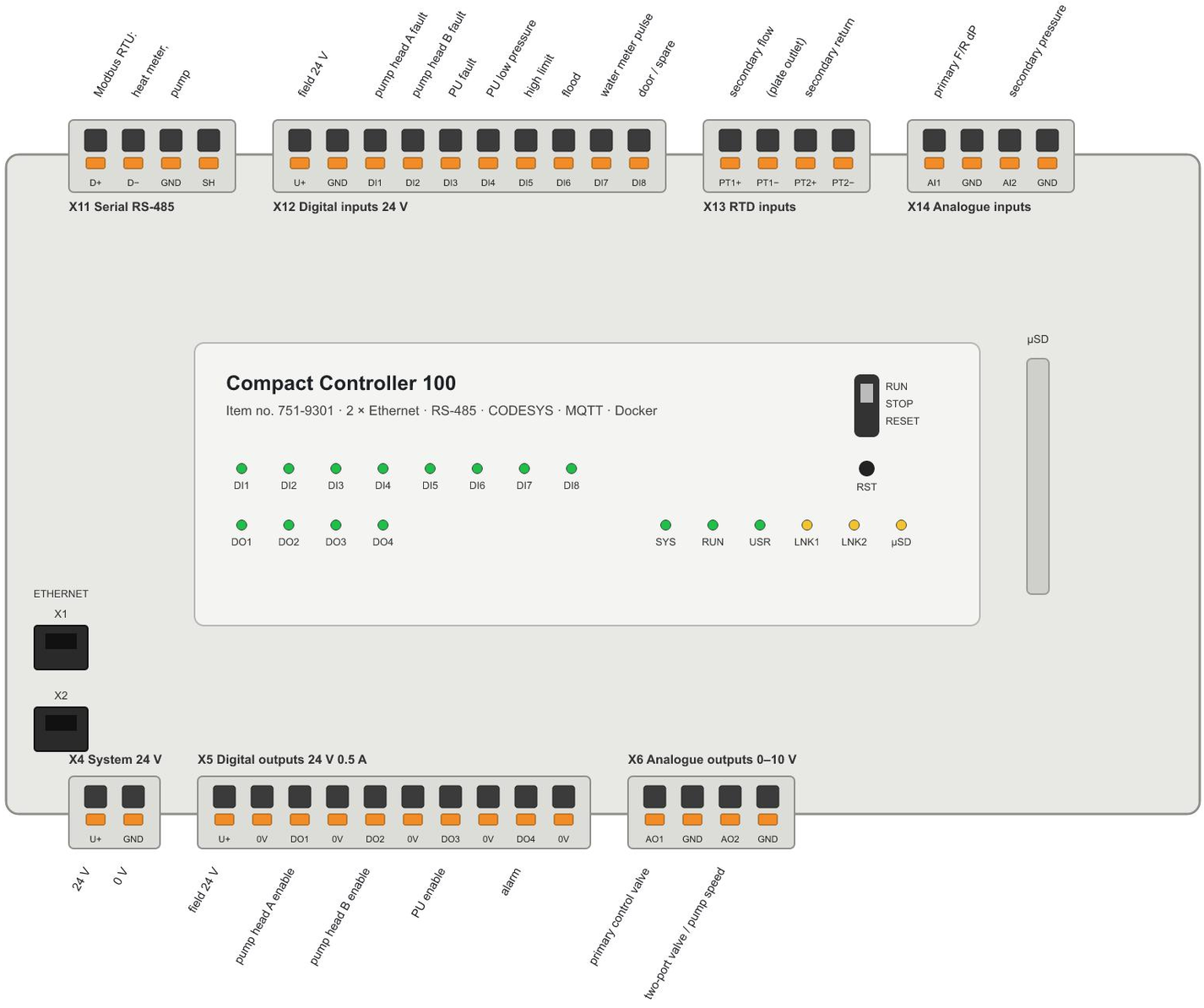
Minimum substation element — WAGO Compact Controller 100

Single-plate substation, twin-head distribution pump and pressurisation unit · heat meter on Modbus RTU · indicative terminal allocation · 8 November 2026

Stylised face. Terminal names follow the controller's labelling; point names are ours. Confirm the analogue input signal type and the current part number with WAGO before ordering.



Notes

- No M-Bus and no slice expansion on this controller. The heat meter is read on the RS-485 port as a Modbus RTU device, either through its own Modbus module or through an M-Bus-to-Modbus gateway when the meter is M-Bus only.
- The meter supplies the primary flow and return temperatures and the flow rate, so the two RTD inputs take the secondary side, which is what the control loop needs.
- Twin-head distribution pump on Modbus RTU as well: speed, run and power come over the bus, so AO2 can serve the two-port valve. Fault contacts stay hard-wired. Pressurisation unit (PU) by contacts and enable.
- Where a station needs more than this (second plate, dP transmitters on the strainers, index dP, M-Bus meters) use the 750-series node for the standard substation element instead.