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E*LDS and Refrigeration with System
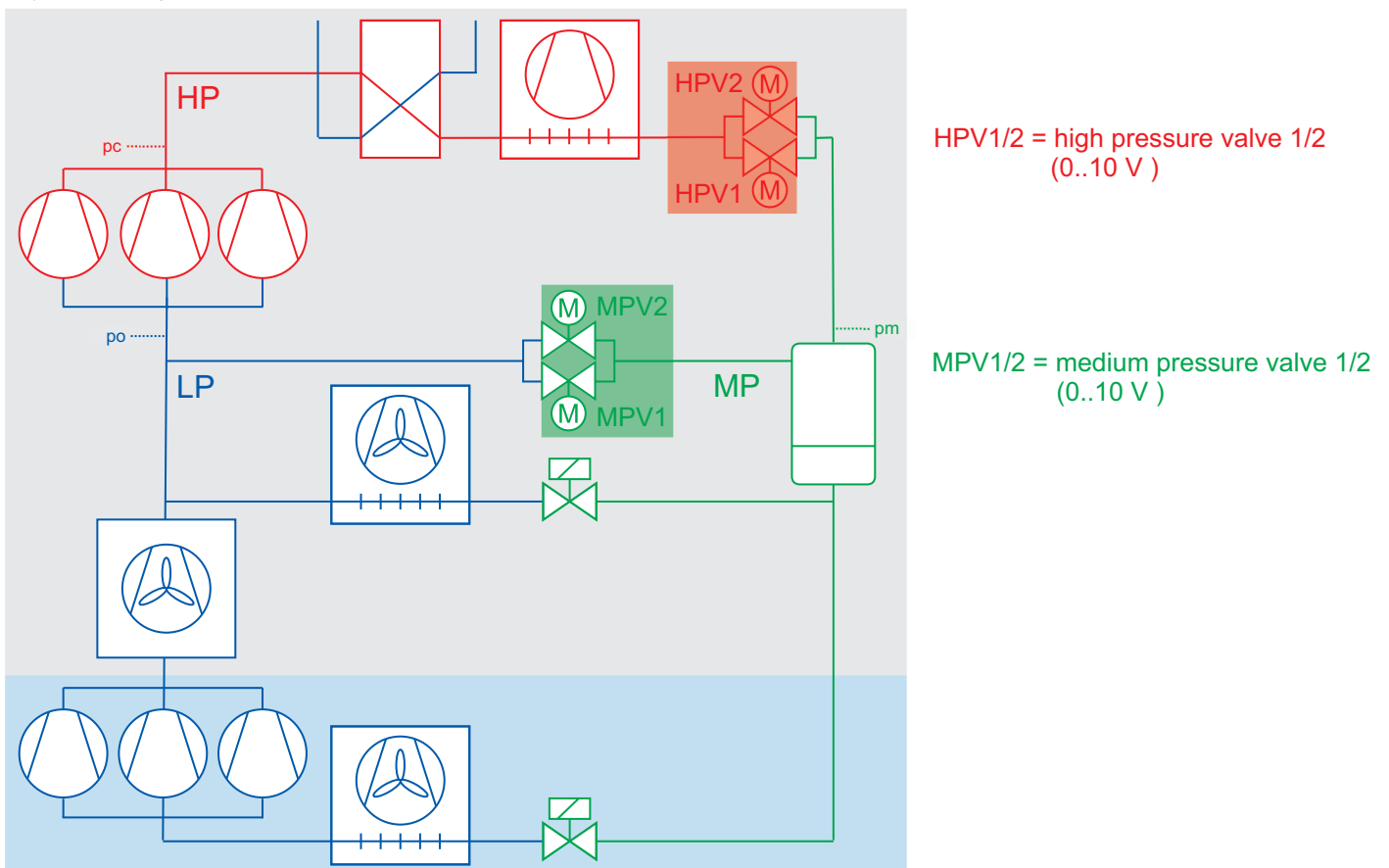
Connection of redundant, continuous HP / MP valves to pack controllers

Description

Two HP or two MP valves in each case are installed redundantly in the system, see system diagram.

A Modbus relay module connected to the pack controller is used for the changeover.
This allows manual switching between the valves (HPV1/HPV2 or MPV1/MPV2) on site.
There is always only one valve active after the changeover.

System diagram

HPV1/2 = high pressure valve 1/2 (0..10 V)

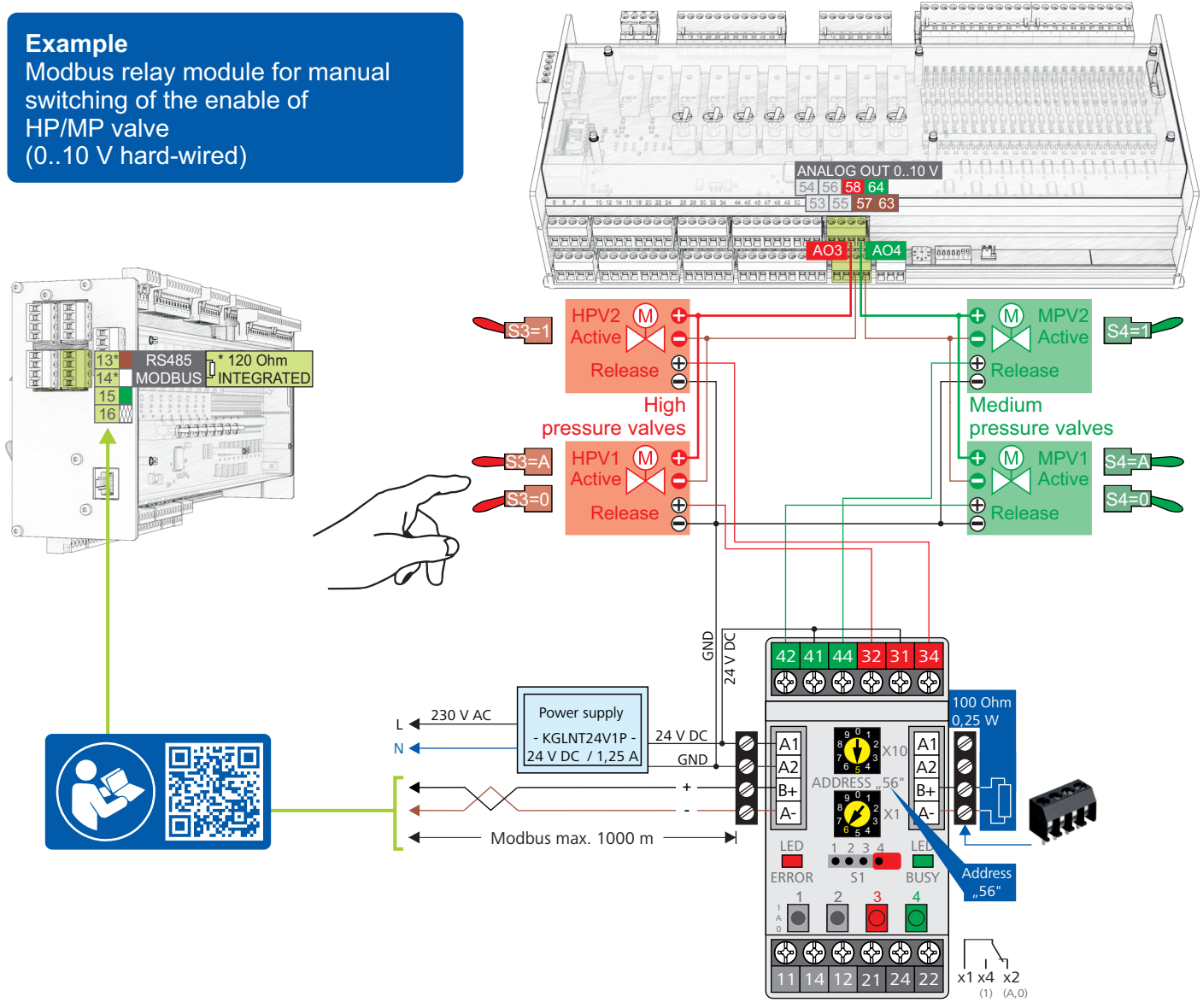MPV1/2 = medium pressure valve 1/2 (0..10 V)

See page 2 for connection example

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Connection of redundant HP/MP valves with separate Modbus relay module for manual changeover via manual control switch for the controllers

VS 3010, VS 3010 CT, VS 3010 C, VS 3015 C, VS 3015 CT:

Example
Modbus relay module for manual switching of the enable of HP/MP valve
(0..10 V hard-wired)

Order Nor.:
Modbus relay module set including 2 x 100 ohms & terminal with manual control switches: MODBDOUT04