



Anytime
Anywhere
Ola Controls

Room Control Unit (RCU-01 v1.4)



Features

- LAN connection (controller still works without LAN)
- Optional free cloud backend
- 3 universal bus terminals for:
 - Ola extension modules. One terminal can handle a maximum of 32 bus modules.
 - RS485 third party devices, e.g. an alarm system
 - Modbus RTU for 3rd party systems or devices
- 2 NTC temperature sensors inputs
- 4 digital inputs for switch input, reed contact input or impulse counter input with frequency 100Hz per channel, sample rate 200Hz per channel, pulse on time > 5 milliseconds
- 4 open collector outputs to be used with thermoelectric valves or separate relays, max 0.6A at 30VDC for each output. For example, each output can switch four 24VDC 3W thermoelectric valves.
- Energy consumption 7W
- Operating temperature: 0 - 55 °C
- DIN rail, 4 modules. Width 72 mm, height 59 mm.
- Manufacturing process is certified under TÜV SÜD ISO 9001:2000.

RCU-01

The central controller in Ola Controls modular system, 1 is needed at least. RCU-01 is a small Linux computer capable of implementing complex control functions. When connected to cloud, automatic backups, cloud trending and remote management are available.

Bus terminals 1,2,3 could be configured to connect Ola extension modules, RS485 or Modbus RTU systems. Modbus TCP is available via LAN connection.

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