

# HCM350

## Nova Hub Controller - Entry

HCM350 controller is an integrated KNX enabled device that enables implementation of most of automation scenarios for new buildings and for refurbishments (lighting, air conditioners, heaters, curtains, security systems, locks, audio systems, sensors etc).

HCM350 controller has been developed exclusively for smart space automation (hotel rooms, public area lighting, villas, commercial areas) as a result of an expertise spread to many years and an innovative approach.

HCM350 controller's extensive functions will provide the flexibility to adapt control scenarios that would fit many use cases.



### Product Specification

Product Name	HCM350
Power supply	DC 24V ± 20% 0.5A
Relay outputs	8 x NO relays
Digital inputs	8 inputs (with short circuit and broken cable detection) + 1x IR teaching input
Analog outputs	8 x PWM/ IR / 0,7-10V Sink/ Source Analog outputs
Fancoil controller	2/4 pipe, 3/4 speeds, 0-10V/ PWM valve control
Ethernet	1x 10/100
USB port	Micro-B USB (for firmware update)
RS485 Interface (Modbus)	8x independent ports
KNX support	Default (Twisted Pair)
RS-232 Interface	1x D-SUB 9 pin female connector
Operating Temperature Range	0 °C...+45 °C
Storage & Transportation Temperature	-10 °C...+70 °C
Maximum Air Humidity	90%
Case material	Plastic DIN Rail mounting
Dimensions (W x H x D)	158 x 91 x 59 mm
Protection Level	IP20

### Product Features

- Web interface to configure, monitor and control the controller and connected devices
- Built-in real time clock and back-up battery to restore status at power cut-off
- LED indication of digital inputs and outputs
- Supports occupancy detection scenarios and works in harmony with RealPresence+®, an innovative occupancy sensor
- PWM / IR / Analog outputs for Valves, LED lighting, audio volume, etc.
- Complex scenarios such as control of welcome, goodbye, switching of lights/electrical sockets, actuators, fan coil units, HVAC and more
- Compatible with various security and energy saving sensors (fire, smoke, heat, gas, water/flood, laser sensors, magnetic door/window switches etc)
- 8 digital inputs with sense of line damage (short circuit and open circuit) and internal ADC (Indicate input and output states with LEDs with special blinking pattern to indicate short circuit and open circuit alarm cases)
- Manual override buttons to control outputs
- 8 independent RS485 channels for connectivity with products such as touch panels, door panels, occupancy sensors, and third party devices such as energy meters (up to 64 external devices per controller)
- Over voltage protection
- Ethernet 10/100 (Modbus TCP, HTTP)
- Update firmware via USB and Ethernet
- Available options with 12 and 16 digital inputs

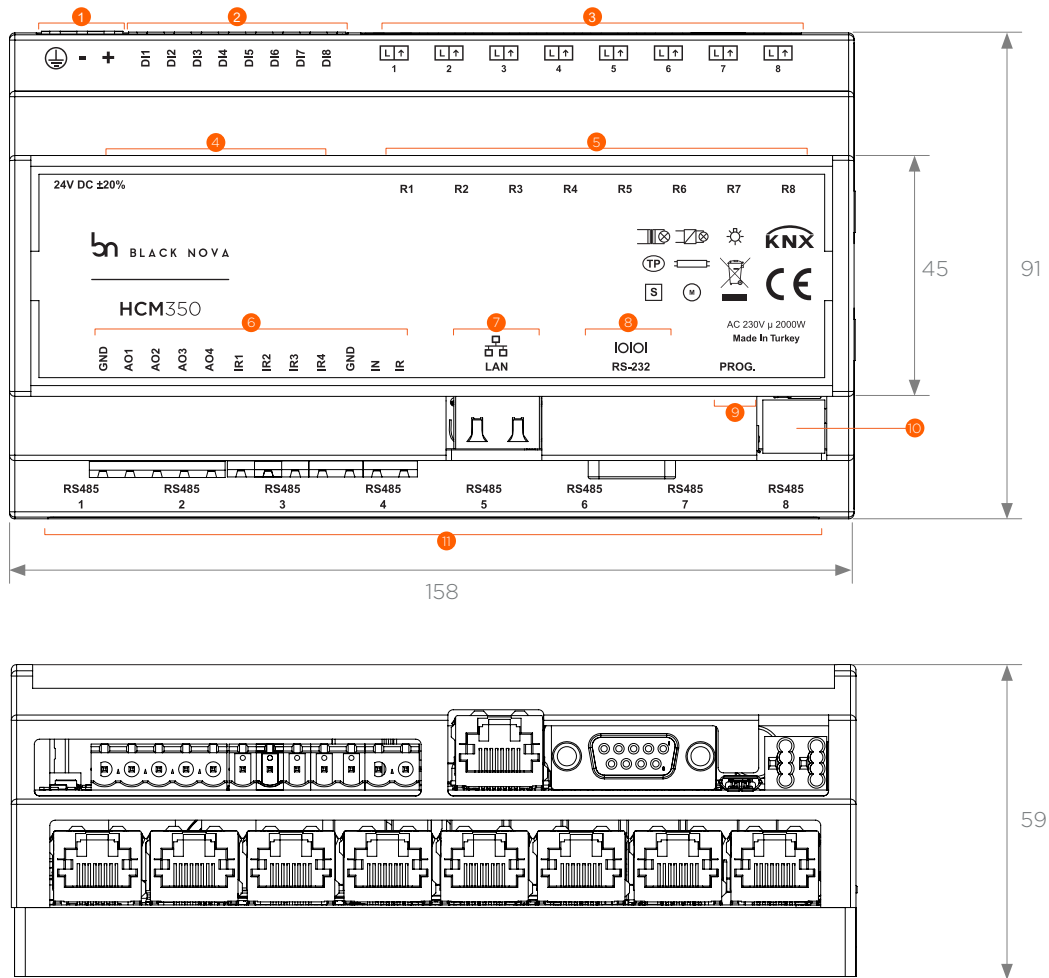
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## Product Dimensions and Functions

Top & Side views (mm) (as mounted on the DIN Rail)



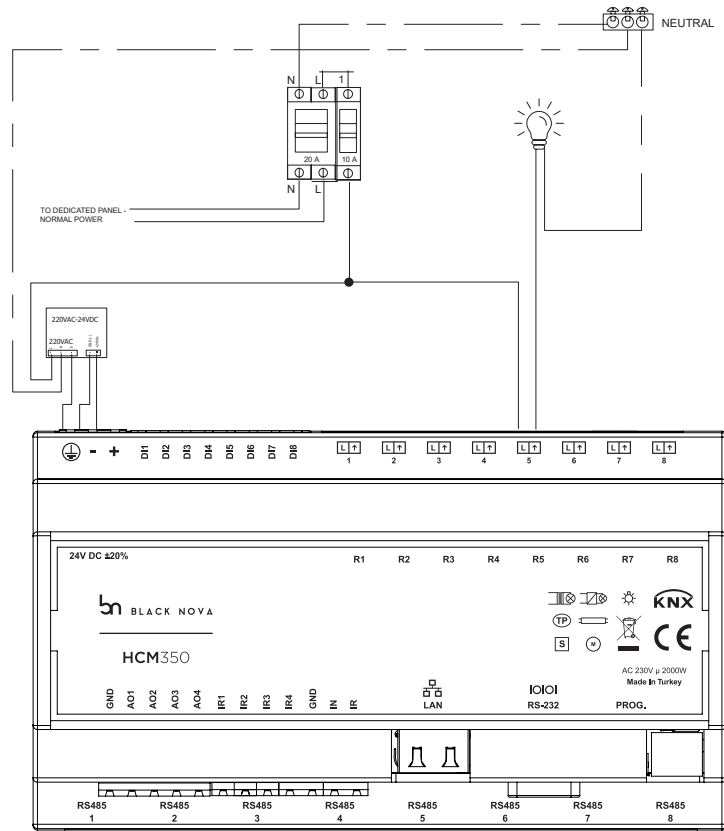
- 1 Power Connector
- 2 Digital Inputs 1.8
- 3 Digital Outputs 1.8
- 4 Digital Inputs Status LEDs
- 5 Digital Outputs manual operation keys
- 6 Analog Outputs and IR Control Block
- 7 Ethernet 10/100 RJ45 Connector
- 8 RS232 interface
- 9 Micro USB for programming
- 10 KNX TP1 Connector
- 11 RS485 Channels 1.8

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## Wiring Diagram



## Loading Type

Fancoil Unit	Relay 1-8
Lighting	Relay 1-8
Curtain	Relay 1-8