

HY6000Z, HY9000Z

Neostat

Room Humidity Controllers

The HY6000Z is a room humidity controller which actuates a solenoid valve or relay for ON/OFF control of humidifying or dehumidifying equipment. The HY9000Z is a humidity controller used in combination with a control motor for proportional control of control valves or dampers.



Specifications	
Rated operating conditions	15°C to 40°C
Transportation/ storage conditions	Temperature: -20°C to +50°C
	Humidity: 95% RH max. (no condensation allowed)
Differential	Approx. 5% RH (fixed) for HY6000Z8000 at 50% RH and for HY6000Z8010 at 65% RH
Proportional band	Approx. 12% RH (fixed) at 50% RH for HY9000Z
Sensing element	Moisture-sensitive diaphragm
Materials	Cover: PC resin, pale gray Base: Modified PPE resin, pale gray
Mass	Approx. 190g
Accessories	4 mounting screws for main unit (M3, 16mm)

Selection Guide				Example: HY6000Z8000
Segment	Model No. selection	Description		
I	Basic No.	Control action	Output	
		HY6000Z ↓ -	ON/OFF	SPDT contact
	HY9000Z - ↓	Proportional	135Ω potentiometer	
II	Range	8000 ○ ○	30% RH to 80% RH	
		8100 ○ -	40% RH to 90% RH	

• A circle (○) denotes availability.

Accessories (sold separately)	
Model No.	Description
83165803-001	Wall direct-mounting kit
83165803-011	Thermoplate mounting kit
83165803-021	Multi-Thermocase mounting kit
QY1100A	Thermoplate for individual room control (with slide switch)
QY1100C, D	Thermoplate for individual room control (with rotary switch)
DY2000A1022	Thermoplate (mounts 1 unit; rectangular; vertical orientation)
DY2000A1023	Thermoplate (mounts 1 unit; rectangular; horizontal orientation)
DY2000A2023	Thermoplate (mounts 2 units; rectangular; horizontal orientation; with outlet box)
DY2000A2024	Thermoplate (mounts 2 units; rectangular; horizontal orientation; with switch box)
DY2000A3022	Thermoplate (mounts 3 units; rectangular; horizontal orientation)
DY2000A1021	Conduit connection Thermoplate (mounts 1 unit; square shape)*
DY2000A2021	Conduit connection Thermoplate (mounts 2 units; rectangular; horizontal orientation)*
DY2000A3021	Conduit connection Thermoplate (mounts 3 units; rectangular; horizontal orientation)*
TY1100Z1000	Multi-Thermocase

* Used only for open wiring.

Dimensions (Unit: mm)

