

→ PDS 43.091

**NRT 407:Electronic controller for chilled beams****You benefit from an higher energy efficiency**

Preconfigured controller for a quick start-up

**Areas of application**

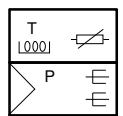
Individual control for single rooms and areas control (heating, cooling, heating/cooling), i.e. in conditioning plants (2- or 4-pipes) for hotels, residential areas, offices and commercial areas.

**Features**

- Measurement of room temperature through integrated or external temperature sensors.
- High user-friendliness thanks to LCD buttons and display
- Modern design

**Technical description**

- Thermoplastic, flame-retardant, white (RAL 9010) case
- Two configurable inputs for c/o (change/over) signal, window contact, dew point sensor or occupancy sensor
- PI controller with pulse-pause or analogic output (0...10 V)
- Additional output for VAV damper control or EC fan control
- Input for CO<sub>2</sub> sensor
- Suitable for fitting on the wall, or assembled within a built-in box
- Electric connection through screw clamp terminals for cables up to 2,1 mm<sup>2</sup>
- Rear cable infeed
- Electronics contained into the clutch case
- Communication via Modbus RTU or BACnet® MS/TP protocol



Y06756

Product	Control range <sup>1)</sup> °C	Function	Tension	Fan Manual Override	Weight kg
<b>NRT 407 F901</b>	5...50	2- or 4 Pipes	24 V~	No	0,11
<b>NRT 407 F902</b>	5...50	2- or 4 Pipes	24 V~	Yes	0,11
Power supply	18...30 V~ ; 50...60 Hz	Room temperature range.	0...50 °C		
Power	2,5 VA	Storage temperature range	-20...70 °C		
Digital outputs		Room humidity range.	max 90% UR		
Damper or Fan	1 x 0...10 V=; 5 mA		Without condensation		
Valves (0...10V)	2 x 0...10 V=; 5 mA	Weight	0,11 kg		
Valves (chrono)	2 x 24 V~, 2 A	Dimensions (L x A x P)	95 x 95 x 28 mm		
Inputs		Type of protection	IP 20 (installed)		
Digital inputs	Dry contact	EMC Directive	EN 61000-6-1		
Analogic inputs	Pt1000 instead of inner NTC sensor	2014/30/EU	EN 61000-6-3		
Analogic inputs CO <sub>2</sub>	0...10 V=				
Communication		Parameters	Not volatile		
Interface	RS-485	Type of installation	2- and 4 pipes		
Protocol	Modbus RTU BACnet® MS/TP				