

RDT900: Communicative controller for universal use

How energy efficiency is improved

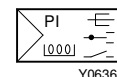
Maximum flexibility with regard to adjusting the controller to the particular system and thus ensuring extremely energy-efficient operation. Additionally, communication with a management level via open protocols to exchange data for the energy-efficient operation of the installation.

Field of application

Universal use in ventilation, air-conditioning and heating systems

Features

- Easy to operate with illuminated LCD 128x64 pixel and buttons
- Program upload on controller by means of USB key
- Configuration using display or PC tool
- Integrated clock for weekly and annual switching programmes with summertime/wintertime change-over
- Variety of communication ports and supported protocols (BACnet® MS/TP or IP, Modbus RTU or TCP/IP)
- Web-server function
- Standard size 8 DIN modules



Y06366

Type	I/O	AI	DI	UI	AO	DO	Display	Web Server
RDT 921 F901	21	6	5	–	3	7	yes	yes
RDT 940 F901	40	10	13	–	6	11	yes	yes
Power supply	24 V~, 50...60 Hz 24 V=, +65%, -15%			Operating temperature Storage temperature.		-10...55 °C -25...70 °C		
Dissipated power	Approx. 20 VA Approx 12 W			Humidity for use		10...90% rel. humidity without condensation		
Output				Dimensions		144 x 128 x 60 mm		
Analog outputs	0...10 V= (some configura- ble as PWM or 4...20 mA)			Type of protection		IP 20 overall IP 40 for the front		
Digital outputs	250 V~/=, 3 A			Connections		Screw in removable terminal board		
Input				Environmental standards		Rohs 2011/65/CE WEEE 2002/19/EU Reach (CE) 1907/2006		
Digital inputs	24V~/=, 50...60 Hz optoisolated			EMC standards		EN 60730-1 IEC 60730-1		
Analog inputs	Ni1000 / Pt1000; 0/5...10 V – 0/4...20 mA			Overvoltage category		III		
Comm. ports / protocol								
1 RS485	Modbus RTU slave							
1 RS485	BACnet® MS/TP							
1 Ethernet*	Modbus TCP/IP BACnet® IP Webserver							
1 CAN	CANbus for extension							
1 USB	Service port							

* BACnet® IP communication protocol is an alternative to Webserver functionality. Both are excluded when BACnet® MS/TP is activated on RS485 port. It is instead possible to activate Modbus TCP/IP on Ethernet port in any case.