



RTD-20

USER CONTROL ZONE MODE



The control of user zones in any environment can now be controlled simply and efficiently with the Daikin RTD-20 controller. Allowing the user to adjust settings within sensible limits offers high levels of comfort, increased energy efficiency and a reduction in CO₂ emissions.

Suitable for a large number of areas including meeting rooms, consulting rooms, offices or for individual zones where air conditioning equipment could be used inefficiently due to infrequent use or setting errors.

FEATURES

- User setpoint limit ranges, 19 to 23°C or 20 to 24°C
- User mode restriction, AUTO or FAN ONLY, restricted manual heat or cool function
- Simplified user control
- Mode reset at the end of each day and optional setpoint reset, saving energy
- Automated control with PIR option including timed run period and auto switch off
- Stand alone or part of the Retail Economiser solution
- Timed operation option with building occupied hours
- Manual on/off operation with off timer after 1 hour saving energy in infrequent meeting rooms
- Setback mode for unoccupied areas to ensure minimum comfort and energy savings
- Increased comfort and guaranteed enforcement of staff usage policy
- Compatible to Daikin centralised controllers including I-Touch Controller and I-Manager

INPUT	S3 OPEN CIRCUIT		S3 SHORT CIRCUIT (ADDRESS 1)	
S1	User Zone Type	Open: Staff Zone Closed: Customer Zone	Fire Input	Open Circuit = Normal Closed Circuit = Fire
S2	Auxiliary Space Temp	(See S2 on Primary Zone)	Activity Input (Footfall)	Closed Circuit Pulse on customer activity
S3	Primary Extended Input	Configures Inputs S1 and S2 functionality as above for RTD-20 Address 1		
S4	Setpoint Reset	Open Circuit: Not Active Closed Circuit: Reset Setpoint at start of user operation		
	Standard User Control Zone	Standard Timed User Control Zone	Timed User Control Zone with Minimum Comfort	
S5	Open Circuit	Open Circuit	Closed Circuit	
S6	Open Circuit	Closed Circuit	Motion Detector (Closed Circuit = Active)	

When the primary zone is UNOCCUPIED the remote controller is locked and the A/C unit is switched off. When unlocked the remote controller is restricted to allow only AUTO and FAN ONLY modes. If other modes are selected the mode will be overridden. At the start of occupancy the mode is always reset to AUTO.

If S4 is short-circuit then the setpoint will reset to the default setpoint at the start of the occupied period (the default setpoint is Setpoint Limit - 2).

Standard User Control Zone	Remote Controller is unlocked and unit switched ON at start of OCCUPIED
Standard Timed User Control Zone	Unit is unlocked and OFF at start of OCCUPIED. If the unit is switched ON from the remote controller the unit runs for 1 hour and then switch OFF If S1 is linked and the site is OCCUPIED but before TRADE, the RTD will maintain minimum comfort conditions in the room of setpoint range +/- 1°C
Timed User Control Zone with Minimum Comfort	Unit is unlocked and OFF at start of OCCUPIED. If movement is detected on input S6 or the unit is switched ON from the remote controller the unit will run for a minimum of 1 hour or until no motion is detected and then switch OFF When OCCUPIED but no motion is detected, the RTD will maintain minimum comfort conditions in the room of setpoint limit range +/- 1°C. E.g. for a setpoint range of 19 to 23°C, minimum comfort control ensures that room temperature remains within the limits 18°C to 24°C



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