

REMOTE CONTROLS

(general information)



CDB ... Eng.

- **Installation:**
– in dry locations
- **Range:**
– 0...45°C
- **Enclosure:**
– shockproof plastic

1. APPLICATION

Used in association with certain Coster devices in order to be able make adjustments to setting parameters from a distance (e.g. temperature, humidity and, for certain models only, the type of program used).
The various possibilities of use are given in section 2 below.

2. MODELS AVAILABLE

Code	Description
CDB 100	Adjusts the desired temperature setting and, with the incorporated NTC10 kΩ sensor measures this temperature.
CDB 200	Adjusts the desired humidity setting and, with the incorporated NTC10 kΩ sensor measures the temperature.
CDB 300	Changes the program used by the controller at that moment.
CDB 300/S1	Changes the program used by the controller at that moment and measures the temperature by means of, the incorporated (NTC 10 KΩ) sensor.
CDB 333	Changes the program used by the controller at that moment.
CDB 340	Adjusts the setting of the desired temperature.
NB: All the remote controls must be used with specific controllers (see section 3).	

3. COMPATABILITY WITH CONTROLLERS

Remote control	Controller codes
CDB 100	DRU 314/614 – DTF/RTF 31.. – DTT 318 – RTB 645 – XTU 614/618 – XTU 644 – XTA 624 – XTR 628
CDB 200	XTU 614 – XTU 644
CDB 300	RTC 604 – RTE 643 – XTT 608 – XTE 611 – XTE 600/602 – XSE 600/602
CDB 300/S1	RTC 604 – RTE 643 – XTT 608 – XTE 611 --XTE 600/602 – XSE 600/602
CDB 333	XCS 633 – XTU 618
CDB 340	RTE 98.

4. TECHNICAL DATA

• General features

Protection	IP 30
Temperature:	
Operating	0...45 °C
Storage	– 25...+ 60 °C
Humidity	Class F DIN 40040
Materials:	
Cover	ABS
Base	NYLON
Installation	on wall
Construction standards	Italian Electrotech. Committee (CEI)

• CDB 100/200

Temperature sensing element:	
Type	NTC 10 kΩ
Time constant	3 min.
Measurement range	0...40 °C
Local variation range:	
CDB 100 (temperature)	– 5... + 5 °C
CDB 200 (humidity)	– 10... + 10 % RH
Dimensions	see section 6
Weight	60g

• CDB 300/333

Local adjustment:	
CDB 300	6 programs
CDB 333	6 programs with SUM/WIN
Dimensions	see section 6
Weight	60g

• CDB 300/S1

Local adjustment:	
Temperature sensing element:	
Type	NTC 10 kΩ
Time constant	3 min.
Measurement range	0...40 °C
Dimensions	see section 6
Weight	60g

• CDB 340

Local adjustment range:	– 5... +5 °C
Dimensions	see section 6
Weight	60 g.

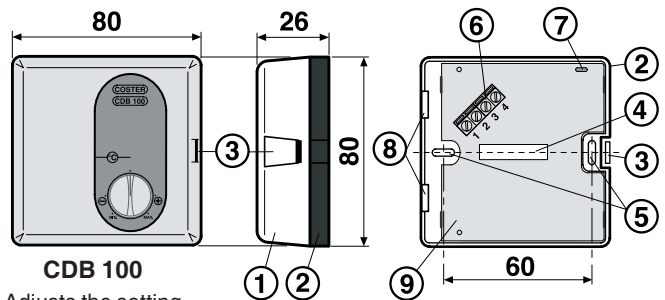
5. INSTALLATION

The remote controls CDB 100 and 200 must be installed at a height of 1.5 to 1.6 metres from the floor, on an internal wall, at a point which represents the mean ambient temperature to be controlled. They must be as far as possible from windows, doors and other possible sources of thermal disturbance and corners and curtains should be avoided.

For models CDB 300,333 and 340 the most convenient position for use should be chosen.

- Separate the base from the cover after releasing the cover securing element.
- Fix the base to the wall using the screw-holes provided.
- Carry out the electric wiring in strict accordance with the wiring diagram and the safety regulations in force, using cables of the appropriate cross section (**NOT telephone or similar cables**).
- Replace the cover on the base and close it delicately until the two parts click into place.

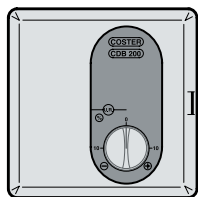
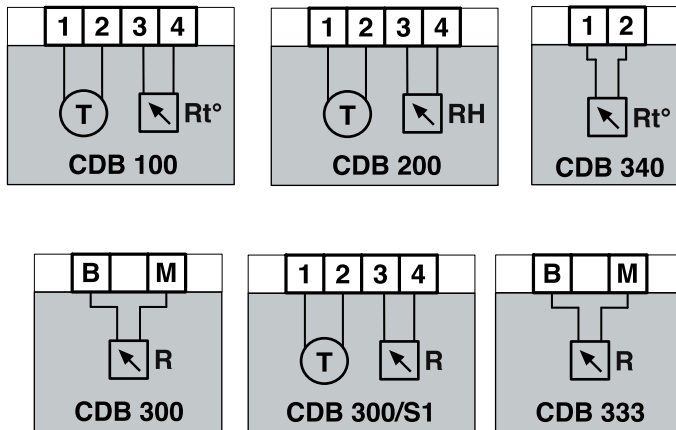
6. DESCRIPTION & OVERALL DIMENSIONS



CDB 100
Adjusts the setting of the temperature in range : -5 to +5 °C and measures it

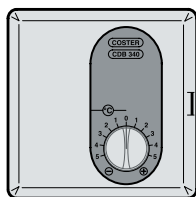
- 1 - Cover
- 2 - Base
- 3 - Cover securing element
- 4 - Cable entry
- 5 - Holes for fixing screws
- 6 - Terminal Block
- 7 - Temperature sensor
- 8 - Cover hinge elements
- 9 - Printed circuit

7. ELECTRICAL CONNECTIONS



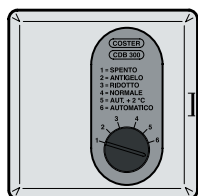
CDB 200

Adjusts humidity setting, in range: -10 to +10% and measures the temperature



CDB 340

Adjusts the temperature setting in range : -5 to +5 °C



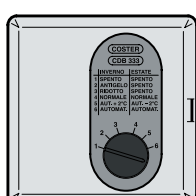
CDB 300

Changes program to:

- Off
- Frosprot
- Setback
- Normal
- TAd + 2 °C
- Automatic

CDB 300/S1

The same function as CDB300 plus measurement of temperature

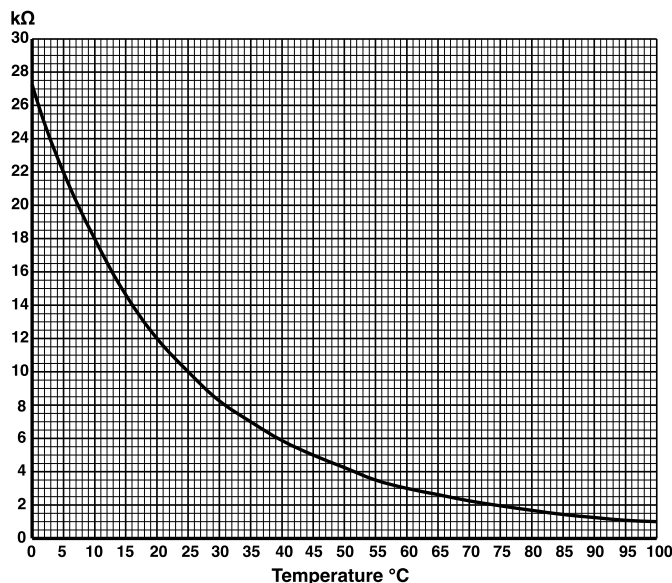


CDB 333

Changes program to:

WINTER	SUMMER
Off	Off
Frosprot	Off
Setback	Off
Normal	Normal
TAd + 2 °C	TAd - 2 °C
Automatic	Automatic

8. GRAPH NTC 10 KΩ DETECTORS



NB: Graph valid only for remote controls with incorporated temperature sensor (models CDB 100 & CDB 200)

Amendments data sheet

Date	Revision No.	Page	Section	Details of amendments
28.08.07 MC	01	1-2	All	Model CDB 300/S1 added to Data Sheet



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