

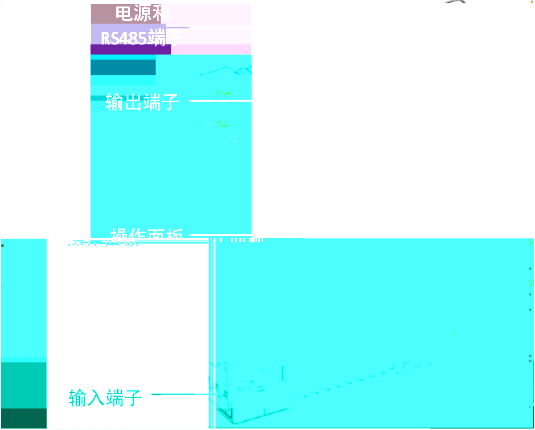
MDT Series Temperature Controller

User Quick Start Manual

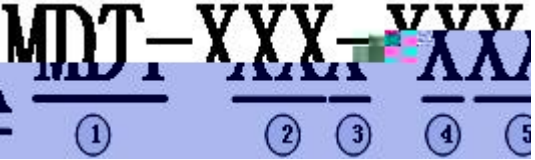
MDT-01R-R	MDT-01T-R
MDT-01R-T	MDT-01T-T
MDT-02R-R	MDT-02T-R
MDT-02R-T	MDT-02T-T

Appearance and Part Name

1.1 Appearance and terminal



2. Model



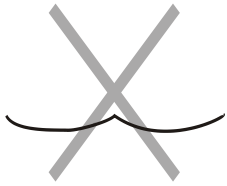
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3. Installation

3.1 Ambient temperature

3.2 Installation site

3.3 Installation method



0	0	1	1	2	2	3	3	4	4
5	5	6	6	7	7	8	8	9	9

A	B	b	C	C	D	d	E
F	G	g	H	H	I	I	J
K	L	L	M	M	N	N	O
P	Q	q	R	R	S	S	T
U	V	v	Y	Y	Z	Z	-

Transistor output/
Alarm channel:

COM1 COM2

1 2 3 4 5 6

Out1 EV1

15 16 17

485/Power terminals

DC24V

Transistor output/
Alarm channel:

COM1 COM2

1 2 3 4 5 6

Out1 Out2 EV1 EV2

7 8 9 10 11 12

15 16 17

485/Power terminals

10C24V

The diagram illustrates the 485 Power terminals, which are a 12-pin connector. The connections are as follows:

- Transistor output/Alarm channel:** Pins 1 through 6 are used. Pins 1 and 2 are labeled "Out1". Pins 3 and 4 are labeled "COM1". Pins 5 and 6 are labeled "COM2".
- Input channel:** Pins 7 through 12 are used. Pins 7 and 8 are labeled "TC/". Pins 9 and 10 are labeled "L1+ L1-". Pins 11 and 12 are labeled "Input channel".
- Power terminals:** Pins 13 through 17 are used. Pins 13 and 14 are labeled "13 14". Pins 15 and 16 are labeled "15 16". Pins 17 and 18 are labeled "17 18". A "DC24V" source is connected to pins 15 and 16. A ground symbol is connected to pin 17. A "R5405" component is connected to pins 17 and 18.

Transistor output/
Alarm channel:

TC/
Input channel:

485/Power terminals:

COM1 COM2

Out1 Out2 EV1

L1+ L1- L2+ L2-

RS485 A

Relay output/ Farm chair

1 2 3 4 5 6

Out1 Out2 EV1 EV2

7 8 9 10 11 12

485/Power terminals

15 16 17

AV

Diagram illustrating the relay output section of the 485/Power terminals. The diagram shows a 6-pin header with pins 1 through 6. Pins 1, 3, 5, and 6 are connected to a common ground. Pins 2 and 4 are connected to a common power supply. The output is labeled 'Relay output/ Farm chair'.

Relay output/ Alarm channel

Out1 Out2 EV1 EV2

TC/ Input channel

L1+ L1- L2+ L2-

485/Power terminals

DC24V

RS485

6.1 Power-supply Specification

