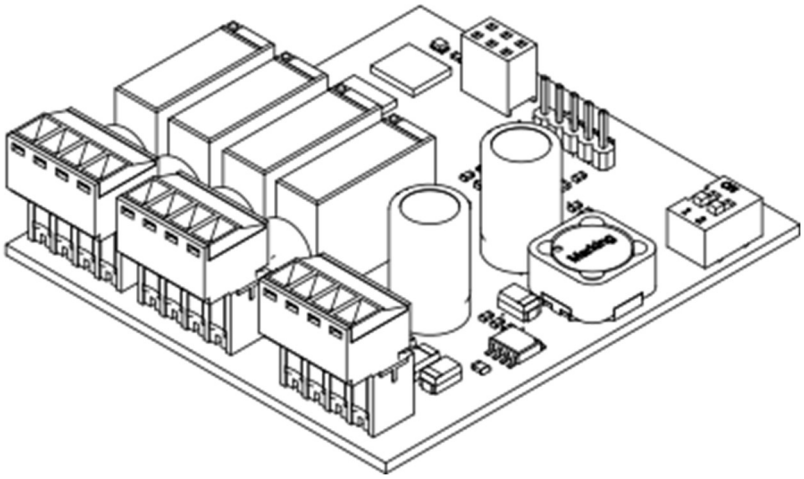
TECHNICAL REFERANCE - MANUEL

v1.1



Module

Relay Out

MD-RO10

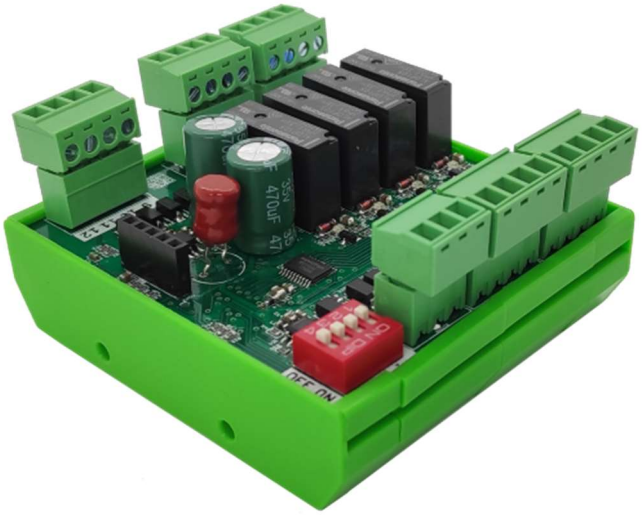
MD-RO10-V1R1

QBIT

QUANTUM CONTROL

›MD-RO10

Module Relay Outputs
For Analog to digital conversion.



- Configurable relay module
- Analog to digital conversion
- On to Off wait set
- Off to On wait set
- Stage working
- Sequence working
- Binary working
- Fan mode working

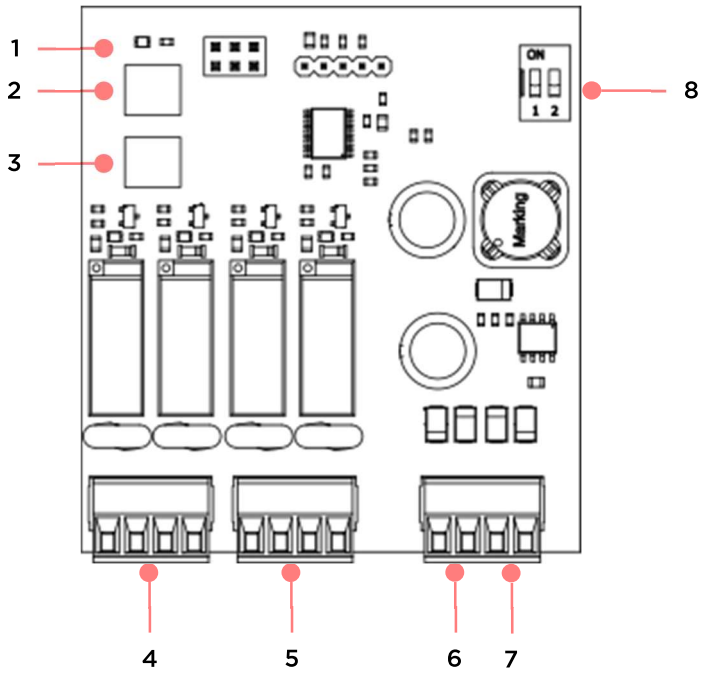
Technical Data

Electrical Features	**Supply**	25V AC/DC
	Consumption	<120mA
Functional Features	**Application**	HVAC-R Control
	Control	Analog Inputs 0-10V
	Configuration	Dip Switch
	Outputs	Dry Contact Out 4 Channel Max. 220VAC / Max. 5A / NO TOTAL 4 Channel Outputs
	Inputs	Universal Input 1 Channel 0-10V TOTAL 1 Channel Inputs
	On Delay	1 – 5 second
	Off Delay	1 – 5 second

Purchase Code

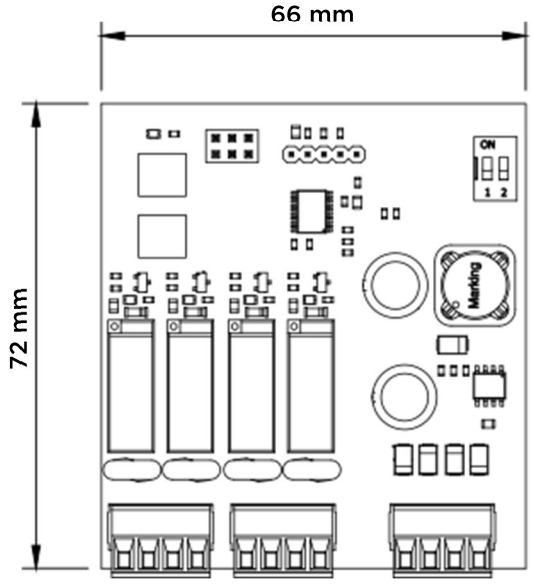
Type		Code	.	Version		Revision
XX	-	XXXX		XX	.	XX
MD: Module		RO10: Relay Out Module		V1: Version 1		R1: Revision 1

Overview

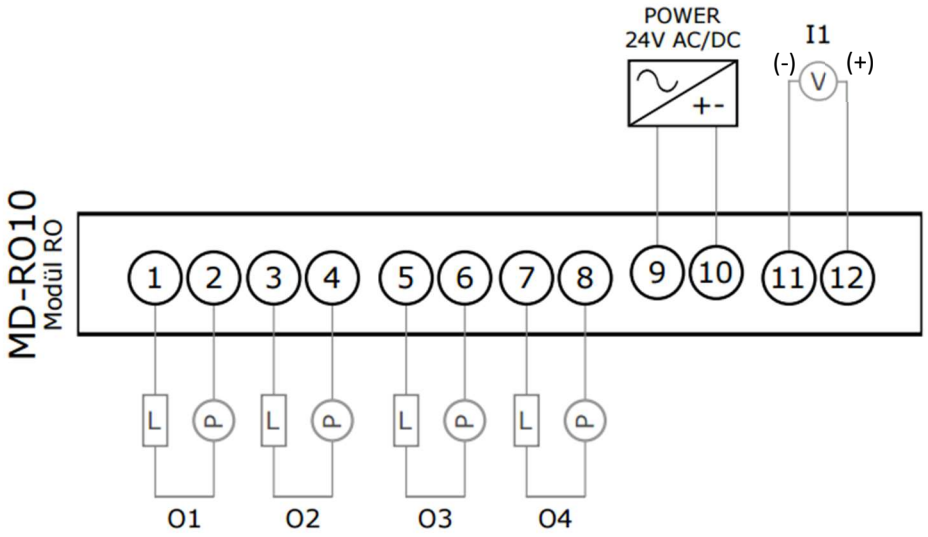


1	State Led	4	Digital Outputs	7	Analog Input
2	On Time Delay Set Pot	5	Digital Outputs	8	Working Mode Set Dip Switch
3	Off Time Delay Set Pot	6	Power Supply		

Size



Terminal Physical Connection



Working Mode Selection

KONFİG SWİTCH		
Mode	**1**	**2**
Stage	OFF	OFF
Sequence	**ON**	OFF
Binary	OFF	**ON**
Fan	**ON**	**ON**

Working Mode State

AI1 (V)	STAGE					SEQUENCE			
	O1	**O2**	**O3**	**O4**		**O1**	**O2**	**O3**	**O4**
0.0V - 1.5V	OFF	OFF	OFF	OFF		OFF	OFF	OFF	OFF
1.7V - 2.2V	**ON**	OFF	OFF	OFF		**ON**	OFF	OFF	OFF
3.7V - 4.2V	**ON**	**ON**	OFF	OFF		OFF	**ON**	OFF	OFF
5.7V - 6.2V	**ON**	**ON**	**ON**	OFF		OFF	OFF	**ON**	OFF
7.7V - 8.2V	**ON**	**ON**	**ON**	**ON**		OFF	OFF	OFF	**ON**

AI1 (V)	BİNARY			
	O1	**O2**	**O3**	**O4**
0.0V - 0.4V	OFF	OFF	OFF	OFF
0.5V - 0.6V	**ON**	OFF	OFF	OFF
1.1V - 1.2V	OFF	**ON**	OFF	OFF
1.7V - 1.8V	**ON**	**ON**	OFF	OFF
2.3V - 2.4V	OFF	OFF	**ON**	OFF
2.9V - 3.0V	**ON**	OFF	**ON**	OFF
3.5V - 3.6V	OFF	**ON**	**ON**	OFF
4.1V - 4.2V	**ON**	**ON**	**ON**	OFF
4.7V - 4.8V	OFF	OFF	OFF	**ON**
5.3V - 5.4V	**ON**	OFF	OFF	**ON**
5.9V - 6.0V	OFF	**ON**	OFF	**ON**
6.5V - 6.6V	**ON**	**ON**	OFF	**ON**
7.1V - 7.2V	OFF	OFF	**ON**	**ON**
7.7V - 7.8V	**ON**	OFF	**ON**	**ON**
8.3V - 8.4V	OFF	**ON**	**ON**	**ON**
8.9V - 9.0V	**ON**	**ON**	**ON**	**ON**

Üniversite Mah. Sarıgül Sk.
No:37/1 İç Kapı No:85
Avcılar/İSTANBUL
T : +90 212 691 61 31
M: +90 537 376 94 41
E : qbit@qbitcontrol.com
W: qbitcontrol.com