

OPERATING INSTRUCTIONS
MONTRAC COMPONENTS
Configuration Unit IRM

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1. Important Information

1.1. Introduction

This Instruction Manual describes the mechanical structure, assembly, operation, functions of the module types and the serial interface of the Configuration Unit IRM.

1.2. Declaration of installation

Pursuant to EC Machinery Directive 98/37/EC, Appendix II B.
Pursuant to EC Machinery Directive 2006/42/EC, Appendix II B.

Manufacturer:
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Tel. +41 32 681 55 00, Fax +41 32 682 19 77

1.2.1. Function

The IRM configuration unit serves to configure the IRM (Intelligent Routing Module). With the aid of software (IRM/ISM Configurator) the desired functions can be assigned to an IRM and the necessary parameters can be configured. Further, the ISM (Intelligent Shuttle Module) in the shuttle can be assigned a new shuttle number.

1.2.2. Mounting instructions

The mounting instructions in compliance with EC Machinery Directive 2006/42/EG, Appendix VI, are available in the Instruction Manual.

1.2.3. Guidelines fulfilled by the Configuration Unit IRM

The individual components of the Configuration Unit IRM are not subject to the regulations of the Machine Directive.

1.2.4. Validity of the Instruction Manual

Our products are continually updated to reflect the latest state of the art and practical experience. In line with product developments, our Instruction Manuals are continually updated. Every Instruction Manual has an article number e.g. BA-100087. The article number and the date of edition are specified on the title page.

Validity

Full name	Short name	Reference number
Configuration Unit IRM	-	58693

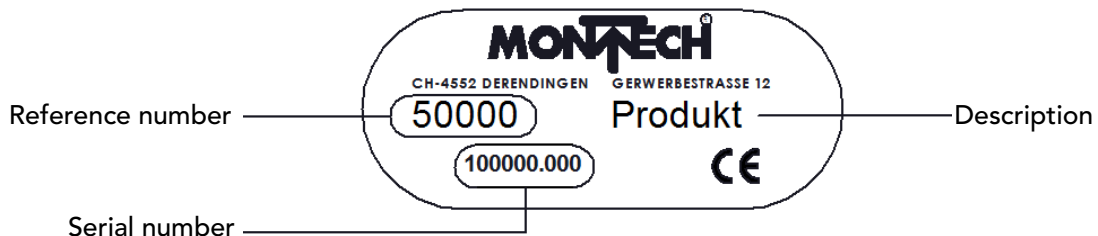
1.2.5. Additional information

This Instruction Manual is intended to allow proper and safe use of your Configuration Unit IRM. Should any information for your particular application be missing, please contact the manufacturer.

Special technical documentation according to 2006/42/EG, Appendix VII, Part B, can be provided at any time and digitally communicated.

When reordering Instruction Manuals, it is imperative that you quote the serial number. This document is also available on our homepage www.montech.com.

Description type plate



Montech AG
 Management



U. D. Wagner

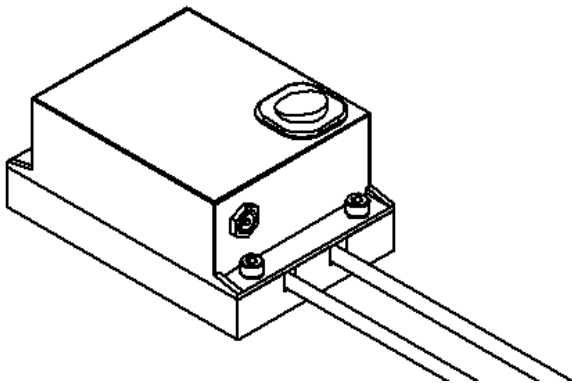


Y. Dicke

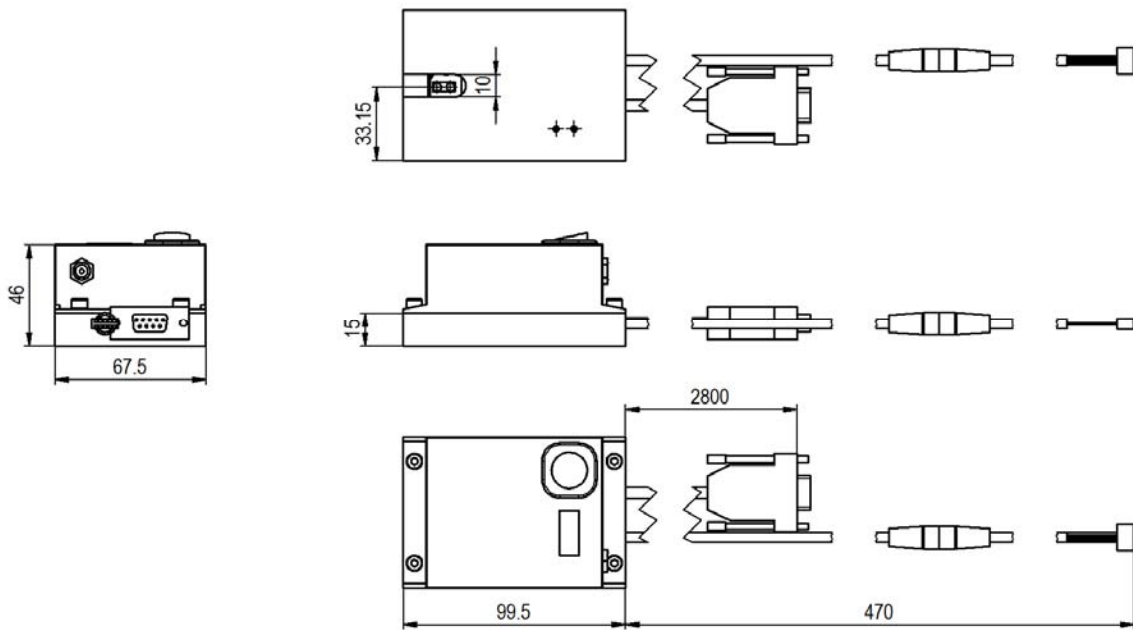
2. Technical Data

Own weight	[kg]	0.5
Material		Aluminum, Copper, Steel, Plastic
Connection voltage	[V AC]	90 - 284
Frequency	[Hz]	47 - 63
Warranty		2 years, commencing from the date of delivery
Ambient conditions: Temperature	[°C]	10 – 40
Rel. humidity		5%- 85% (without condensation)
Air purity		Normal workshop atmosphere

Configuration Unit IRM 58693

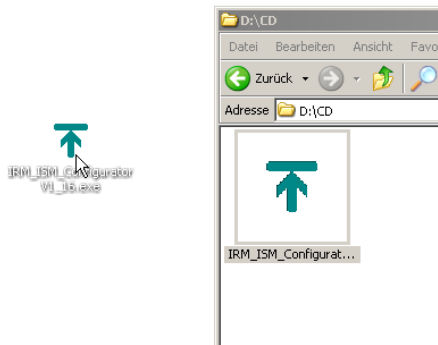


2.1. Dimension sheet



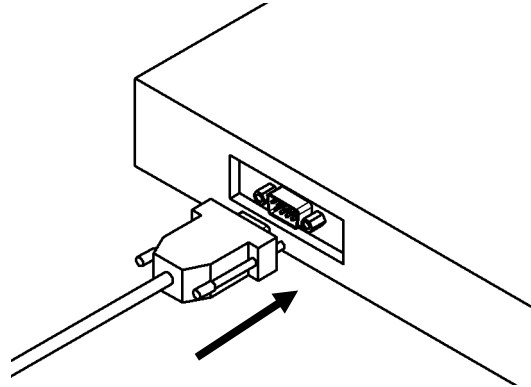
3. Commissioning

1. Install software



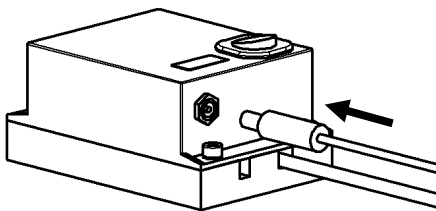
Copy the file "IRM_ISM_Configurator" from the CD to a local drive.

2. Connect serial interface RS232



Connect the configuration unit to an RS232 port.

3. Connect power unit



Plug the power unit into a mains socket (pay attention to the permitted voltage) and connect the cable to the configuration unit.

4. Instructions

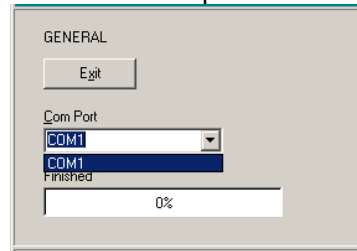
4.1. Configuring IRM

1. Start "IRM_ISM_Configurator" software



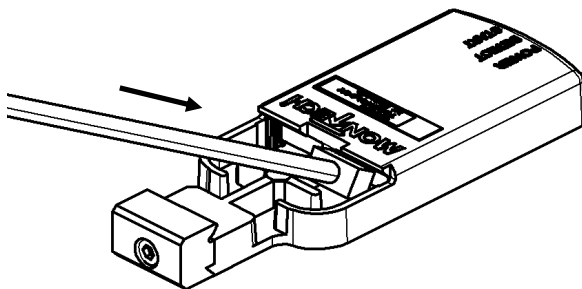
The software is started by double-clicking on the icon displayed.

2. Select COM port



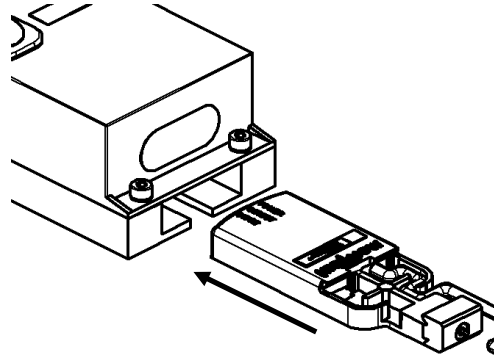
Select the COM port to which you have connected the configuration unit.

3. Connect IRM



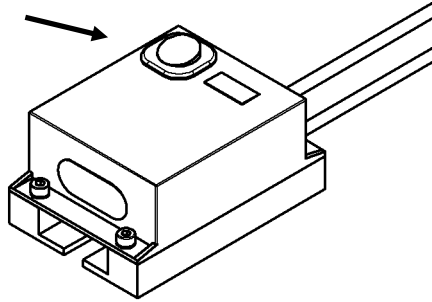
Connect the IRM to one of the two connectors.

4. Insert IRM

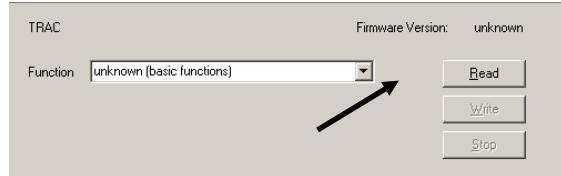


Insert the IRM in the intended opening of the configuration unit.

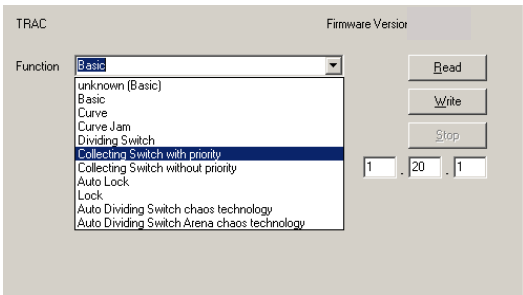
5. Turn ISM switch to ON



6. Read out the function with the "Read" button

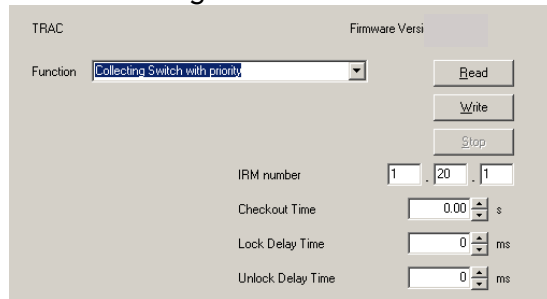


7. Select function



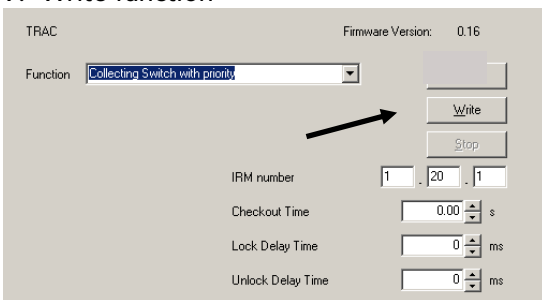
Select the desired function.

8. Make settings



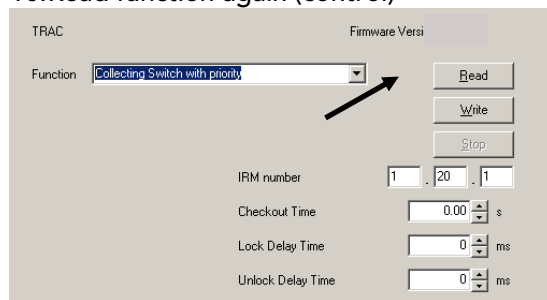
Information on the various parameters can be found in the IRM User Manual.

9. Write function



Write the setting with the "Write" button.

10. Read function again (control)



If the settings are properly applied, the configuration is completed.

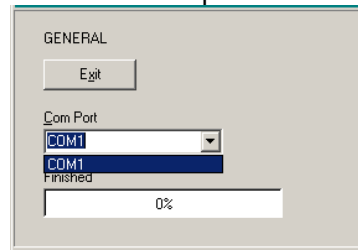
4.2. Changing the shuttle number

1. Start "IRM_ISM_Configurator" software



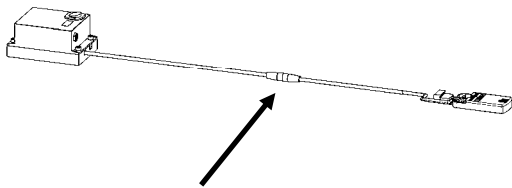
The software is started by double-clicking the icon displayed.

2. Select COM port



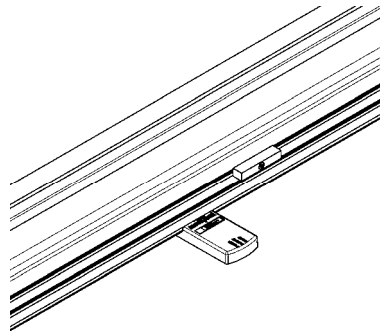
Select the COM port to which you have connected the configuration unit.

3. Connect the configuration unit



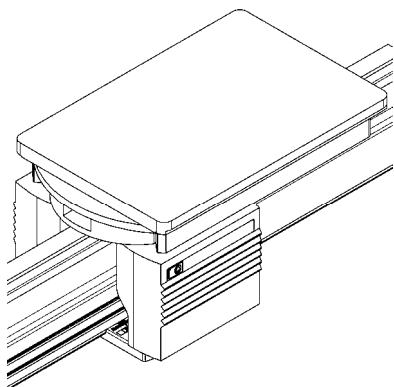
Connect the configuration unit to an IRM (configured as basic) with a cable.

4. Mount the IRM



Mount the IRM to the Trac at an A-cam.

5. Position the shuttle



Position the shuttle whose shuttle number is to be changed over the A-cam.

6. Read out the shuttle number with the "Read number" button

Read the shuttle number with the "Read number" button.

7. Counter

The counter shows how often the shuttle number has been sent. It can be stopped with the "Stop" button. (The counter shows that the shuttle number is sent continuously.)

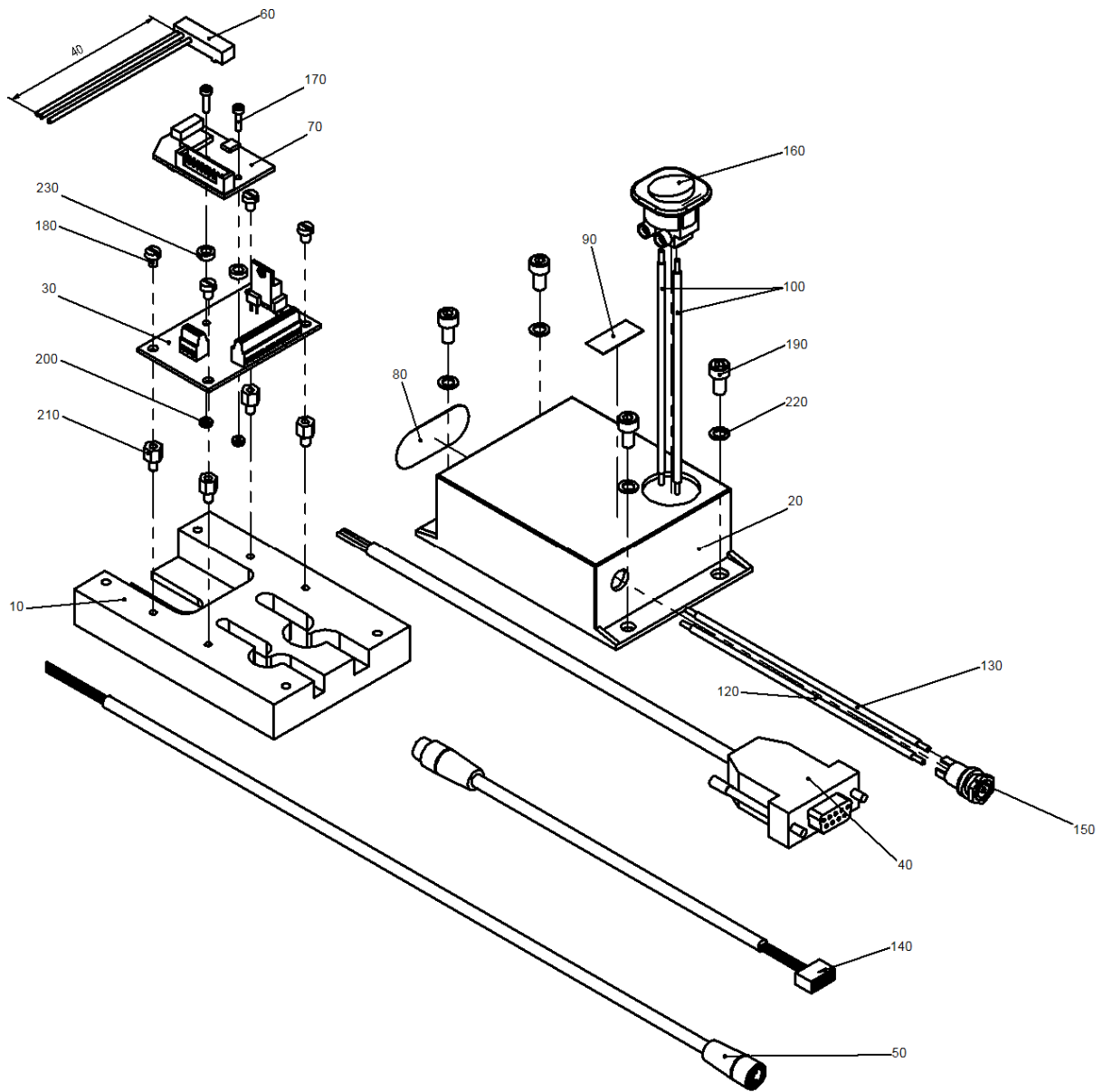
8. Assign or change the shuttle number

In the "Write number" field the desired Group no. and/or the ID no. can be entered. The "Write" button saves the entry in the shuttle.

9. Read (check) the shuttle number again

If the Group no. and ID no. are properly written, the configuration is completed.

5. Parts List



Pos.	Sym.	Description	Ref. no.	Material
	■	Configuration Unit IRM	58693	Various
10	◇	Base plate	57568	Aluminum
20	◇	Housing Configuration Unit	57571	ABS
30	◇	Power print	57560	Various
40	◇	PC connecting cable (IRM)	57579	Various
50	◇	Connecting cable	57251	Various
60	◇	Cable ISM	57252	Various
70	◇	ISM	58692	Various
80	◇	IRM sign	57254	Polyester
90	◇	ON-OFF sign	57279	Polyester
100	◇	Cable black	57820	Various
110	◇	World connector power unit	58755	Various
120	◇	Cable red	57817	Various
130	◇	Cable blue	57818	Various
140	■	Connecting cable OSM-T3 Ident (serial)	507936	Various
150	◇	Panel jack	520344	Various
160	◇	Rocker switch	520343	Various
170	◇	Cylinder screw M2x8	520192	Steel
180	◇	Cylinder screw M3x4	520204	Steel
190	◇	Cylinder screw M4x8	501618	Steel
200	◇	Hexagon nut M2	520342	Steel
210	◇	Hex. spacer M3x5	520203	Steel
220	◇	Ribbed disk M4x7x0.5	502364	Steel
230	◇	Spacer sleeve 3.4 x 2 mm	520245	PA

◇ May not be deliverable ex stock (upon request)

■ Price list articles deliverable ex stock

6. General information

6.1. Environmental compatibility and disposal

Used materials:

- Aluminum
- Steel
- Copper
- Polyester (PES)
- Polyamid (PA)
- Acrylonitrile butadiene styrene copolymer (ABS)

Surface finishing:

- Aluminum anodization
- Steel nickelization
- Galvanically applied zinc to steel

Shaping processes:

- Extrusion pressing of aluminum
- Metal cutting of aluminum, steel, brass and plastic
- Water jet cutting of plastics

Disposal:

No longer usable Configuration Units IRM should not be disposed of as a complete system but rather should be disassembled into parts and recycled by type of material. The type of material of each individual part is included in the replacement parts lists. Non-recyclable materials should be disposed of appropriately. It is particularly important to dispose of operating lubricants properly.