

Model Number

MTM-C2-OD

Data carrier

Features

- Memory 574 bit plus 8-digit decimal number as fix code
- Battery life expectancy 5-7 years
- Rugged housing
- Degree of protection IP67

Function

The data carrier can be read from a distance of 4 m and safely inscribed from a distance of 0.5 m dependent on different settings.

A max. of 606 bits (82 7-bit-ASCII characters and a 32-bit test check sum) can be stored in the data carrier. Thus 574 bit are available for application specific data. In addition, each data carrier is delivered ex works with an invariable and unique 8-digit decimal number, which detects the data carrier unambiguously.

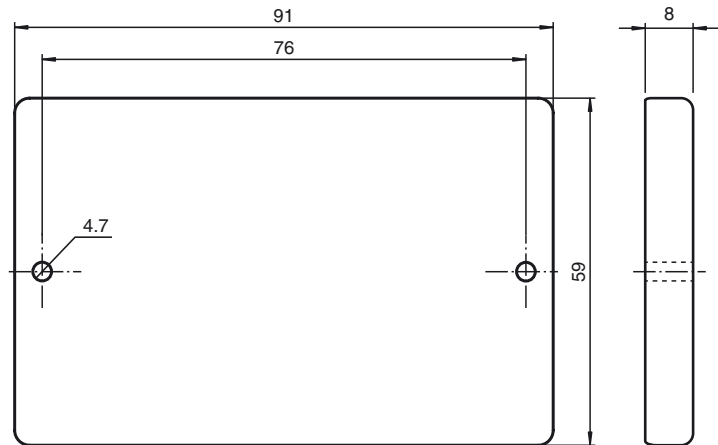
By means of microwaves, formatting and the setting of various possible operating modes takes place. The same conditions are applicable as for the writing of data. The distance to the read/write device can be up to 0.5 m.

The life of the internal lithium cells depends on the operating mode of the data carrier. When the voltage drops towards the end of the capacity, one bit is set in the status register, and transmitted to the read/write device during each read procedure.

The C2 housing type is especially robust allowing for application in rough operating conditions.

The data carrier is vibration resistant, corrosion resistant, UV-stable, waterproof and resistant to chemicals.

Dimensions



Technical data

General specifications

Operating frequency	2.435 ... 2.465 GHz , channel separation 300 kHz
Read distance	
Write distance	

Memory

Memory capacity	606 Bit R/W (584 bits available for user data) 8-digit decimal number as fixcode
Battery life	typically 5 ... 7 years

Directive conformity

Electromagnetic compatibility	
R&TTE Directive 1995/5/EC	EN 60950-1:2006 EN 301489-3:2000 EN 300440:2001

Ambient conditions

Ambient temperature	-40 ... 85 °C (-40 ... 185 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

Degree of protection	IP67 according to EN 60529
Material	
Housing	Polymer
Installation	
In air	yes
Mass	60 g
Construction type	Rectangular type