

# Radio controlled module FUM DCF-U

Order number: FMD 01030

The radio controlled module is a small PCB-module generally designed and developed to receive and decode time signals. Its internal time is based on the decoded and checked time information, available at the output pin X4 (RS232-OUT).

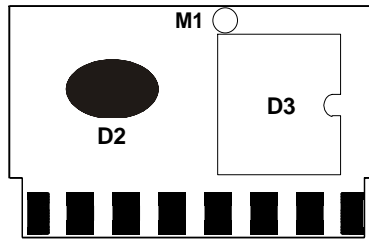
The radio controlled module is able to communicate with a host PC via a serial interface: the corresponding command set is described in the datasheet. A completely checked time and state information is available at the output, including the state message from an embedded power supply controller.

The start of a time signal reception is automatically managed by the internal software, it also can be initiated by an external command.



Original size

### Pin configuration :



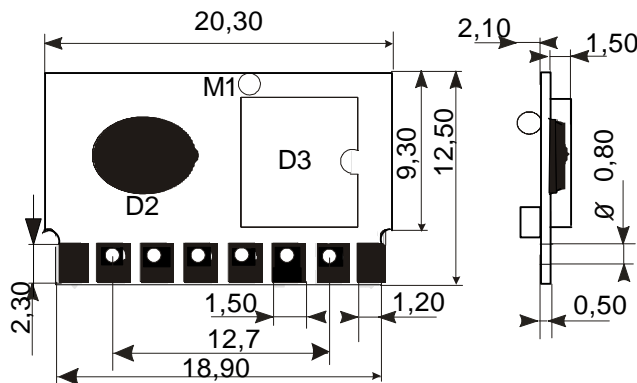
TP X6 X5 X4 X3 X2 X1 TP

(X1...X6 through-holed pads)

- X1 - VCC
- X2 - GND
- X3 - RS232 - IN
- X4 - RS232 - OUT
- X5 - Antenna
- X6 - Antenna

- M1 - Key
- TP - Test pad (don't connect !)

### Dimensions : [mm]



Technical characteristics: (Test conditions: VDD=3,0V ; T=25°C)

Parameters	Symbol	min	typ	max	Unit
Power supply	V <sub>DD</sub>	1,8	3,0	3,6	V
Power consumption	I <sub>DD</sub>	10	11	20	μA
- normal mode			210	270	μA
- receive mode					
Operating temperature range	T	0		50	°C
Input voltage	U <sub>IN</sub>		0,4	0,6	μV

### Models :

Model ( FUM xxx)	Input signal	Note
FUM DCF	DCF77 ; 77,5 kHz	Standard temperature range