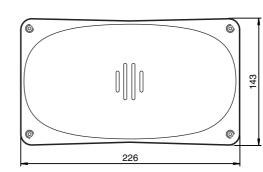
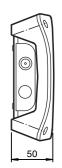
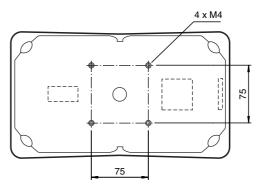
Read station



Dimensions







CE

Model Number

MTT3000-F180-B12-V45-MON Read station

Features

- Serial interfaces RS 232 and RS 485 ٠
- Ethernet interface with TCP/IP •
- Frequency hopping (FHSS) ٠
- Integrated buzzer •
- Protection degree IP65 •
- 93 Fixed frequency channels ٠
- Long read range, 3 m •
- Multi-tag capability •

Subject to modifications without notice Pepperl+Fuchs Group www.pepperl-fuchs.com

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1

The read only device MTT3000-F180-

between the code/data carriers of the

computer (such as an industrial PC or

The read only device communicates

with the computer via the interfaces Ethernet (TCP/IP), RS 232, or RS 485 (2 or 4 wire). The maximum range for

In addition to offering many innovative functions, this read/write device also

features frequency hopping (FHSS). This function enables the read/write

device to "jump" between frequencies

communication interference, especially

used in close proximity to one another.

The read/write device can also partition

the specified frequency band into 93

The system is also multi-tag capable,

i.e. several code or data carriers are

Configurable parameters allow for fixed

This hardware has been equipped with

a relay output, 3 optocoupler inputs,

The status of the read/write device is

indicated by several integrated LEDs

For further information, please refer to

the system and device manuals.

data length, hardware and software

triggering, and optional heartbeat.

different channels, thus making it

compatible with older systems.

identified within the field without

Four operating modes allow for

complete application flexibility.

and 2 open collector outputs.

interference.

and a buzzer.

Accessories

Ethernet DeviceServer

Ethernet DeviceServer

RTS-UP-1

RTS-UP-4

MTO-C1

MTO-C2

MTM-C1

MTM-C2

Code carrier

Code carrier

Data carrier

Data carrier

MTA-MH09

mounting

Mounting bracket for pole and wall

within the specified frequency band.

when several read/write devices are

This significantly reduces

reading in the frequency range

2.45 GHz is 3 m.

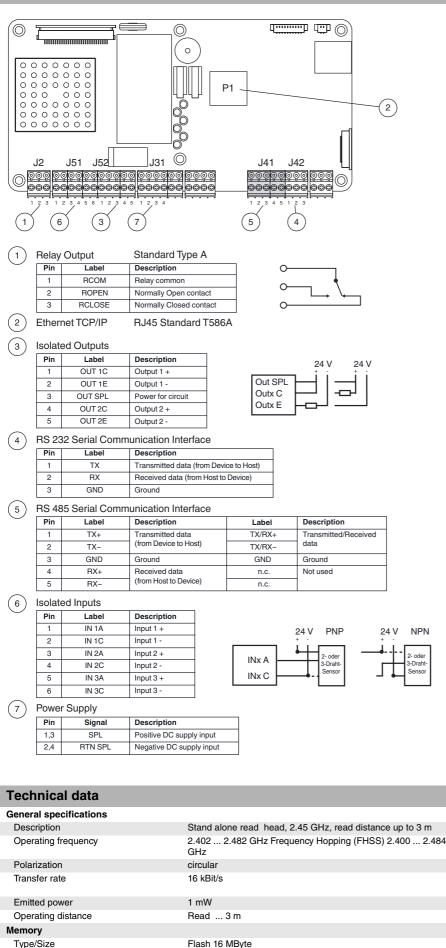
RFID system MT and a higher-level

B12-V45-MON establishes a link

Function

PLC).





Indicators/operating means

Pepperl+Fuchs Group www.pepperl-fuchs.com

LED green/yellow/red

fa-info@us.pepperl-fuchs.com

RAM 32 MByte

controllable per software

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912231_eng.xml

Date of issue: 2012-09-12

Release date: 2012-09-12 14:32

Electrical specifications Rated operational voltage U	e 10 30 V DC
Current consumption	at 24 V: 150 mA
	at 12 V: 500 mA
Interface	
Physical	Ethernet
Protocol	TCP/IP
Transfer rate	10/100 Mbit/s
Interface 1	
Physical	RS 232
Protocol	ASCII
Transfer rate	1.2 kBit/s 115.2 kBit/s standard setting: 9.6 kBit/s
Interface 2	
Physical	RS 485: full- (4-wire) or half-duplex (2-wire)
Protocol	ASCII
Transfer rate	1.2 kBit/s 115.2 kBit/s standard setting: 9.6 kBit/s
Input	
Optocoupler	3 inputs
Input level	ON: ≥ 2.4 V , max. 30 V OFF: ≥ 0 V , max. 0.2 V
Output	
Electronic	output 1: open-collector; 1 30 V DC, max. 500 mA output 2: open-collector; 1 30 V DC, max. 100 mA
Relay	switching current \leq 2 A; P _{max} = 50 W
Ambient conditions	switching voltage \leq 60 V DC; 30 V AC
Ambient temperature	-20 60 °C (-4 140 °F)
Storage temperature	-20 60 °C (-4 140 °F) -20 60 °C (-4 140 °F)
	-20 00 0 (-4 140 1)
Mechanical specifications Protection degree	IP65
Material	PC-PBT
Material	
Dimensions	3 kg 226 mm x 143 mm x 50 mm (W x H x D)
Compliance with standards and dir tives	
Directive conformity	
R&TTE Directive 1995/5/EC	EN 60950, IEC 60215, ETS 300683, ETS 300440
Standard conformity	
Protection degree	EN 60529

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