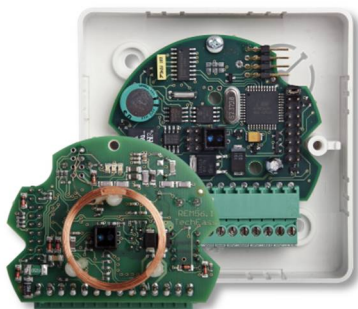


Versatile readers for standard installation boxes



Reader module 125 kHz (TF / EM) with integrated door controller can be installed wherever using a standard module is inappropriate for mechanical or security reasons.

All-purpose conception of the module enables installation in most of the electrical devices' cover designs thus adjusting the appearance of the reader modules to required look.

Remote relay module can be used for increased security.

Basic technical features

	APS_{mini}	APS₄₀₀
Trade description	MREM 76(E)	NREM 76(E)
Operating voltage	9 ÷ 15 V DC	
Current consumption	95 mA, max. 130 mA	
ID technology	125 kHz (TF / EM)	
Typical reading range	6 / 6 cm (with ISO card)	
Card memory	2,000 users + 2 master cards	748 ^{*)} (emergency funtion)
Events memory	3,400	.. ^{*)}
Time schedules	64 per day of the week and for holidays + never / always	.. ^{*)}
Real-time clock	Available, with min. 12 hrs backup	.. ^{*)}
Inputs	2x controlled by potential-free contact	2x input ^{*)}
Outputs, indicators	1x relay NC/NO, 2A/24V, 1x transistor output 5V/5mA, 3x LED, 1x PIEZO buzzer	
Input / output port	1x – external tamper / external reader buzzer control	
Communication interface	RS 485	
Optional data interface	Wiegand input / output (configurable)	
Tamper protection	Opto-electronic	
Weight	0.084 kg (xREM 76), 0.034 kg (xREM 76E)	
Operating environment	Indoor, -20°C ÷ +40°C, humidity max. 75% non-condensing	
Dimensions	xREM 76 – Plastic square installation box (81x81x25mm) (LK80) xREM 76E – Plastic round Ø68mm installation box(KU68)	

^{*)} Identification events authorization and behavior of the APS 400 network modules are provided by the system controller. Specific parameters can be found at www.techfass.cz.

Accessories

AEM 12	51400300	Resign potted antenna for hidden mounting
AEM 13	51400400	Antenna for Targha VR entry panels or hidden assembly in wheater-proof case
WIO 22	51901200	Remote relay module (2 relay NO/NC)
AC/200	51900900	Low input transistor relay for alarm output



AEM 12



AEM 13



WIO 22

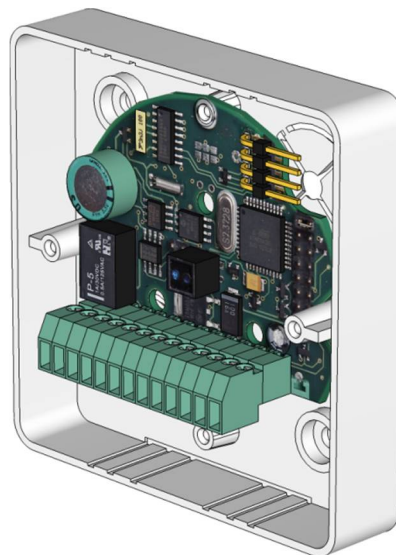
Versions & Compatibility

Reader module	Code	Note	TF	EM	Events archive	ACS SW	Extensions
MREM 76-TF	53476000	External antenna	•	–	•	•	licensed
MREM 76E-TF	53476200	Internal antenna	•	–	•	•	licensed
MREM 76-EM	53476001	External antenna	•	•	•	•	licensed
MREM 76E-EM	53476201	Internal antenna	•	•	•	•	licensed
NREM 76-TF	54476000	External antenna	•	–	*)	*)	*)
NREM 76E-TF	54476200	Internal antenna	•	–	*)	*)	*)
NREM 76-EM	54476001	External antenna	•	•	*)	*)	*)
NREM 76E-EM	54476201	Internal antenna	•	•	*)	*)	*)

*) Selected features are determined by the APS 400 system controller.

TECHFASS® product lines

- The **APS mini Plus** access control system is a generally applicable system, which is capable of covering all typical access control and time and attendance solutions. The system is suitable for both smaller standard access control systems, and for large and remote systems using an online server.
- The **APS 400** system controllers can control up to 64 reader modules; manage up to 15,000 users and store up to 57,000 records in their events memory when operating in offline mode. A unique feature of the system is the ability to set the behavior of all connected modules by a **user-defined program**.



APS 400

APS mini

Function: *configurable*
ID memory: *2,000*
Online authorization: *>10⁷*
Offline events: *3,400*
Time schedules: *64*
Addresses / comm. line: *32*
Lines per system: *unlimited*

Management:

master cards or PC

Software for free:

CFG, management

Software extensions:

Licensed: basic T&A evaluation, visualization, overviews, guard tour monitoring, etc.

Function: *programmable*
ID memory: *up to 15,000*
Online authorization: *>10⁷*
Offline events: *up to 57,000*
Access groups: *128*
Time schedules: *64*
Addresses / controller: *64*
Controllers per server: *>32*

Management:

PC

Software for free:

programming & CFG, management (up to 10 IDs)

Software extensions:

Licensed: management of over 10 IDs in the system, basic T&A evaluation, visualization, overviews, guard tour monitoring, etc.