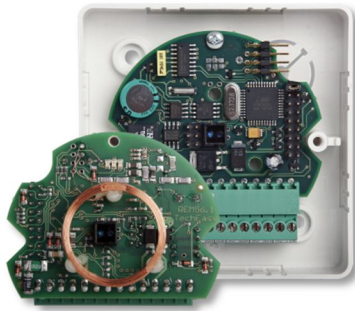


Versatile readers for standard installation boxes



Reader module 125 kHz (TF/EM/HID Proximity) 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	APS mini	APS 400
	AREM 76(E)	MREM 76(E)	NREM 76(E)
Trade description			
Operating voltage	9 ÷ 15 V DC		
Current consumption	95 mA, max. 130 mA		
ID technology	125 kHz (TF / EM / HID Prox)		
Typical reading range	6 / 4 cm (with ISO card)		
Card memory	748 users + 2 master cards	748 ^{*)} (emergency funtion)	
Events memory	-	4,700	- ^{*)}
Time schedules	64 per day of the week and for holidays + never / always		- ^{*)}
Real-time clock	Available, with min. 12 hrs backup		- ^{*)}
Inputs	1x door contact, 1x REX		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 installation box (81x81x25mm) xREM 76E – PCB suited for mounting in round Ø68mm boxes		

^{*)} 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



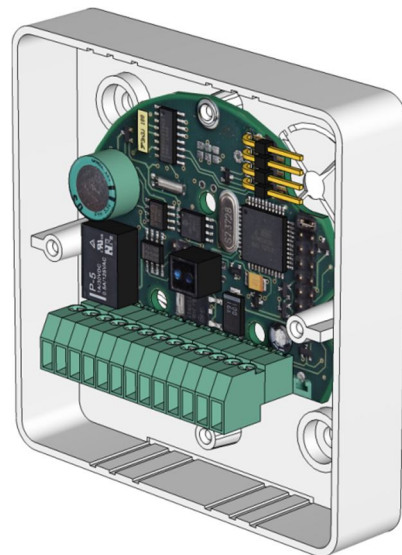
Versions & Compatibility

Reader module	Code	Note	TF	EM	HID	Events archive	ACS SW	Extensions
AREM 76-TF	52476000		•	–	•	–	•	–
AREM 76E-TF	52476200	PCB	•	–	•	–	•	–
AREM 76-EM	52476001		•	•	•	–	•	–
AREM 76E-EM	52476201	PCB	•	•	•	–	•	–
MREM 76-TF	53476000		•	–	•	•	•	licensed
MREM 76E-TF	53476200	PCB	•	–	•	•	•	licensed
MREM 76-EM	53476001		•	•	•	•	•	licensed
MREM 76E-EM	53476201	PCB	•	•	•	•	•	licensed
NREM 76-TF	54476000		•	–	•)))
NREM 76E-TF	54476200	PCB	•	–	•)))
NREM 76-EM	54476001		•	•	•)))
NREM 76E-EM	54476201	PCB	•	•	•)))

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

TECHFASS® product lines

- The very popular **APS mini** access control system enables building up many applications for family and apartment houses, small companies and commercial premises.
- 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		APS mini+		APS 400	
Function:	<i>fixed</i>	Function:	<i>fixed</i>	Function:	<i>programmable</i>
ID memory:	<i>748</i>	ID memory:	<i>748</i>	ID memory:	<i>15,000</i>
Online authorization:	<i>N/A</i>	Online authorization:	<i>>10⁷</i>	Online authorization:	<i>>10⁷</i>
Off-line events:	<i>N/A</i>	Off-line events:	<i>2000</i>	Off-line events:	<i>57,000</i>
Time schedules:	<i>64</i>	Time schedules:	<i>64</i>	Access groups:	<i>128</i>
Addresses / comm. line:	<i>32</i>	Addresses / comm. line:	<i>32</i>	Time schedules:	<i>64</i>
Lines per system:	<i>unlimited</i>	Lines per system:	<i>unlimited</i>	Addresses / controller:	<i>64</i>
Management:	<i>master cards or PC</i>	Management:	<i>CFG, management</i>	Controllers / server:	<i>>32</i>
Software for free:	<i>CFG, management</i>	Software for free:	<i>CFG, management</i>	Management:	<i>PC</i>
		Software extensions:	<i>alarm graphics, basic T&A, complex T&A, web,...</i>	Software for free:	<i>programming & CFG, management (up to 10ID)</i>
				Software extensions:	<i>alarm graphics, basic T&A, complex T&A, web,...</i>