



Readers for surface mounting



Compact reader module 125 kHz (TF / EM) with integrated door controller designed for general use in all application types.

The reader module is designed for surface mounting in both indoor and outdoor non-protected environment.

Remote relay module can be used for increased security.

Basic technical features

	APS mini	APS 400
	MREM 65	NREM 65
Trade description		
Operating voltage	8 ÷ 15 V DC (SELV)	
Current consumption	80 mA, max. 90 mA	
ID technology	125 kHz (TF / EM)	
Typical reading range	8 / 8 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 OC switching on 0V, 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	Hall probe (against tearing-off, requires MAG), Optoelectronic (opening cover)	
Weight	0.202 kg	
Operating environment	-25°C ÷ +60°C, humidity max. 95% non-condensing	
Protection class	IP 54	
Housing & dimensions	Plastic, 55x90x25 mm	
Connecting cable	2 m	

^{*)} 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.

	Reader with standard WIEGAND output
Trade description	WREM 63
Operating voltage	8 ÷ 15 VDC
Current consumption	65 mA, max. 80 mA
ID technology	125 kHz (TF / EM)
Typical reading range	8 / 8 cm (with ISO card)
Inputs	1x buzzer control, 1x yellow LED control
Outputs, indicators	3x LED, 1x PIEZO
Data interface	WIEGAND (configurable without SW)

Accessories

MAG	51900200	Magnet for wall tamper contact
WIO 22	51901200	Remote relay module (2 relay NO/NC)
AC/200	51900900	Low input transistor relay for alarm output

Versions & Compatibility

Reader module	Code	Color	TF	EM	Events archive	ACS SW	Extensions
MREM 65 BK-TF	53465000	black	•	—	•	•	licensed
MREM 65 GR-TF	53465200	grey	•	—	•	•	licensed
MREM 65 BK-EM	53465001	black	•	•	•	•	licensed
MREM 65 GR-EM	53465201	grey	•	•	•	•	licensed
NREM 65 BK-TF	54465000	black	•	—	*)	*)	*)
NREM 65 GR-TF	54465200	grey	•	—	*)	*)	*)
NREM 65 BK-EM	54465001	black	•	•	*)	*)	*)
NREM 65 GR-EM	54465201	grey	•	•	*)	*)	*)
WREM 63 BK	51463001	black	•	•	—	—	—
WREM 63 GR	51463201	grey	•	•	—	—	—

*) 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.