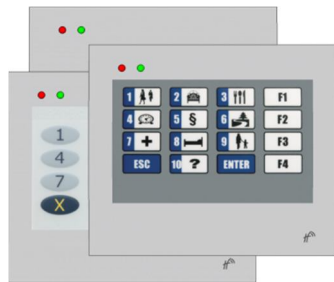


Readers for surface mounting



Compact reader module 125 kHz (TF/EM/HID Proximity) with integrated door controller, which can feature a keypad for entering ID, PIN or an operation code for T&A processing.

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

Remote relay module can be used for increased security.

Basic technical features

	APS mini	APS mini	APS 400
Trade description	AREM 73 (w/o keypad) AREP 73 (PIN/ID keypad) ARED 73 (T&A keypad)	MREM 73 (w/o keypad) MREP 73 (PIN/ID keypad) MRED 73 (T&A keypad)	NREM 73 (w/o keypad) NREP 73 (PIN/ID keypad) NRED 73 (T&A keypad)
Operating voltage	8 ÷ 15 V DC		
Current consumption	80 mA, max. 120 mA		
ID technology	125 kHz (TF / EM / HID Prox)		
Typical reading range	8 / 5 cm (with ISO card)		
Card memory	748 users + 2 master cards		748 ¹⁾ (emergency funtion)
Events memory	-	4,700	- ¹⁾
Time schedules	64 per day of the week and for holidays + never / always		- ¹⁾
Real-time clock	Available, with min. 12 hrs backup		- ¹⁾
Inputs	1x door contact, 1x REX		2x input ¹⁾
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 / IDS status monitoring		
Communication interface	RS 485		
Optional data interface	Wiegand input / output (configurable)		
Tamper protection	Reed contact (requires MAG)		
Weight	0.250 kg		
Operating environment	-25°C ÷ +60°C, humidity max. 95% non-condensing		
Protection class	IP 54 (REM 73), IP 52 (REP 73, RED 73)		
Housing & dimensions	Plastic, 105x92x20 mm		
Connecting cable	0.5 m		

¹⁾ 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

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





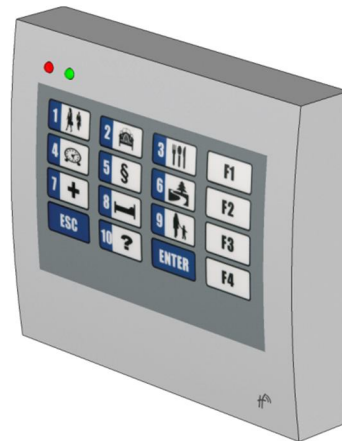
Versions & Compatibility

Reader module	Code	Keypad	TF	EM	HID	Events archive	ACS SW	Extensions
AREM 73-TF	52473000	none	•	–	•	–	•	–
AREP 73-TF	52473400	PIN/ID	•	–	•	–	•	–
ARED 73-TF (OEM)	52473200	T&A	•	–	•	–	•	–
AREM 73-EM	52473001	none	•	•	•	–	•	–
AREP 73-EM	52473401	PIN/ID	•	•	•	–	•	–
ARED 73-EM (OEM)	52473201	T&A	•	•	•	–	•	–
MREM 73-TF	53473000	none	•	–	•	•	•	licensed
MREP 73-TF	53473400	PIN/ID	•	–	•	•	•	licensed
MRED 73-TF	53473200	T&A	•	–	•	•	•	licensed
MREM 73-EM	53473001	none	•	•	•	•	•	licensed
MREP 73-EM	53473401	PIN/ID	•	•	•	•	•	licensed
MRED 73-EM	53473201	T&A	•	•	•	•	•	licensed
NREM 73-TF	54473000	none	•	–	•)))
NREP 73-TF	54473400	PIN/ID	•	–	•)))
NRED 73-TF	54473200	T&A	•	–	•)))
NREM 73-EM	54473001	none	•	•	•)))
NREP 73-EM	54473401	PIN/ID	•	•	•)))
NRED 73-EM	54473201	T&A	•	•	•)))

) 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

Function: *fixed*
 ID memory: *748*
 Online authorization: *N/A*
 Off-line events: *N/A*
 Time schedules: *64*
 Addresses / comm. line: *32*
 Lines per system: *unlimited*

Management:
master cards or PC

Software for free:
CFG, management

APS mini

Function: *fixed*
 ID memory: *748*
 Online authorization: *>10⁷*
 Off-line events: *2000*
 Time schedules: *64*
 Addresses / comm. line: *32*
 Lines per system: *unlimited*

Management:
master cards or PC

Software for free:
CFG, management

Software extensions:
alarm graphics, basic T&A, complex T&A, web,...

Function: *programmable*
 ID memory: *15,000*
 Online authorization: *>10⁷*
 Off-line events: *57,000*
 Access groups: *128*
 Time schedules: *64*
 Addresses / controller: *64*
 Controllers / server: *>32*

Management:
PC

Software for free:
programming & CFG, management (up to 10ID)

Software extensions:
alarm graphics, basic T&A, complex T&A, web,...