

Long range reader module



Long range reader module (433.92 MHz) with embedded single door controller. Active transmitters (Tx Key, Tx Cross or Tx Auto) are required for proper operation.

The modules are intended for surface mounting in outdoor environment. They are suitable for vehicle door control and wherever a long reading range is required, e.g. gates, garages, bars etc.

Basic technical features

	APS mini	APS mini	APS 400
Trade description	ARRF 12-TF	MRRF 12-TF	NRRF 12-TF
Operating voltage	8 ÷ 15 V DC		
Current consumption	70 mA, max. 130 mA		
Operating frequency	433.92 MHz		
Typical reading range	10m		
Card memory	748 users + 1 master transmitter		748 ¹⁾ (emergency funtion)
Events memory	-	1,750	- 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	2x relay NC/NO, 2A/24V, LEDs on board, 1x external buzzer		
Communication interface	RS 485		
Optional data output	Wiegand (configurable)		
Tamper protection	Integrated NC contact		
Weight	0.214 kg		
Operating environment	-25°C ÷ +60°C, humidity max. 95% non-condensing		
Protection class	IP 65		
Housing & dimensions	Plastic, 65x145x55 mm (without antenna)		

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.

Transmitters

Tx Key-TF	51590200	Pocket transmitter 433 MHz, 2 buttons, rolling code
Tx Cross-TF	51590300	Pocket transmitter 433 MHz, 4 buttons, rolling code
Tx Auto-TF	51590400	Car transmitter 433 MHz for fixed assembly, rolling code
ID Key-TF	51590500	Pocket transmitter 433 MHz, TF chip 125 kHz, 2 buttons, rolling code



Tx Key-TF
ID Key-TF



Tx Cross-TF



Tx Auto / TF



Versions & Compatibility

Reader module	Code	TF	ENK	Events archive	ACS SW	Extensions
ARRF12-TF	52412000	•	•	–	•	–
ARRF12-ENK	52412001	•	–	–	•	–
MRRF12-TF	53412000	•	•	•	•	licensed
MRRF12-ENK	53412001	•	–	•	•	licensed
NRRF12-TF	54412000	•	•)))
NRRF12-ENK	54412001	•	–)))

) 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 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,...

APS 400

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,...