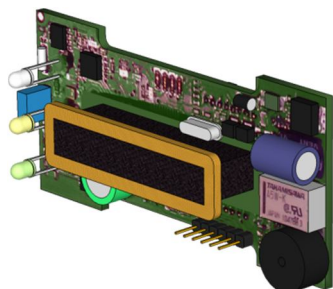


Readers for Fermax Cityline and Skyline entry panels



Reader module 125 kHz (TF/EM/HID Proximity) with integrated door controller designed for installation in *Cityline* and *Skyline* entry panels of Fermax audio and video systems. The module is intended to be placed in the REF 7444 information module.

Remote relay module can be used for increased security.

The module is supplied as a PCB.

Basic technical features

	APS mini	APS mini	APS 400
	AREM 79E	MREM 79E	NREM 79E
Trade description			
Operating voltage	8 ÷ 15 V DC		
Current consumption	80 mA, max. 115 mA (8V)		
ID technology	125 kHz (TF / EM / HID Prox)		
Typical reading range	5 / 4 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 holidays + never / always		- ¹⁾
Real-time clock	Available, with self-backup for 12 hours		- ¹⁾
Inputs	1x door contact, 1x REX button		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		
Communication interface	RS 485		
Optional data interface	Wiegand input / output (configurable)		
Weight	0.020 kg		
Operating environment	-25°C ÷ +60°C, humidity max. 95% non-condensing		
Dimensions	99x42x15 mm		
Connecting cable	3x 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

WIO 22	51901200	Remote relay module (2 relay NO/NC)
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WIO 22



Versions & Compatibility

Reader version	Code	TF	EM	HID	Events archive	ACS SW	Extensions
AREM 79E-TF	52479000	•	–	•	–	•	–
AREM 79E-EM	52479001	•	•	•	–	•	–
MREM 79E-TF	53479000	•	–	•	•	•	licensed
MREM 79E-EM	53479001	•	•	•	•	•	licensed
NREM 79E-TF	54479000	•	–	•)))
NREM 79E-EM	54479001	•	•	•)))

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

Application



REM 79E reader module
in Fermax Cityline panel

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 Plus	APS 400
Function:	fixed	programmable	programmable
ID memory:	748	15,000	15,000
Online authorization:	N/A	>10 ⁷	>10 ⁷
Off-line events:	N/A	2000	57,000
Time schedules:	64	64	128
Addresses / comm. line:	32	32	64
Lines per system:	unlimited	unlimited	>32
Management:	master cards or PC	master cards or PC	PC
Software for free:	CFG, management	CFG, management	programming & CFG, management (up to 10ID)
Software extensions:	alarm graphics, basic T&A, complex T&A, web,...	alarm graphics, basic T&A, complex T&A, web,...	alarm graphics, basic T&A, complex T&A, web,...