



Touchscreen terminal with door controller



Terminal with a 4" monochrome display, an integrated 125 kHz RFID reader and a single door controller intended for mounting in the indoor environment.

Optional TCP/IP communication interface can be used simultaneously for terminal's own communications and as a communication converter for other modules on the RS 485 communication line (APS mini Plus).

Remote relay module can be used for increased security.

Basic technical features

| | APS mini | APS 400 |
|----------------------------|---|--|
| | MDEM 31 | NDEM 31 |
| Trade description | | |
| Operating voltage | 8 ÷ 15 V DC | |
| Current consumption | 200 mA | |
| Display | 4" LCD touch screen, 320x240 pixels, black & white | |
| ID technology | 125 kHz (TF / EM) | |
| Typical reading range | 6 / 6 cm (with ISO card) | |
| Configuration memory | Micro SD card | |
| Card memory | 748 users (master cards not available) | 748 ^{*)} (emergency function) |
| Events memory | 3,500 | — ^{*)} |
| Time schedules | 64 per day of a week and for holidays + never / always | — ^{*)} |
| Real-time clock | Available, with self backup for 12hrs | — ^{*)} |
| Inputs | 2x controlled by potential-free contact | 2x input ^{*)} |
| Outputs, indicators | 1x relay NC/NO, 2A/24V, 1x transistor output 5V/5mA, 2x LED, 1x PIEZO buzzer | |
| Communication interface | 2 x RS 485 (1x system BUS, 1x reserved for future use) Ethernet (optional) | |
| Optional data input/output | Wiegand (configurable) | |
| Tamper protection | Integrated microswitch (opening cover) | |
| Weight | 0.210 kg | |
| Operating environment | Indoor protected, -25°C ÷ +40°C, humidity max. 75% non-condensing | |
| Housing & dimensions | Plastic, 115x93x27 mm | |

^{*)} 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

| | | |
|--------|----------|---|
| AC/200 | 51900900 | Low input transistor relay for alarm output |
| WIO 22 | 51901200 | Remote relay module (2 relay NO/NC) |



AC/200



WIO 22



Versions & Compatibility

| Reader module | Code | Note | TF | EM | Events archive | ACS SW | Extensions |
|---------------|----------|----------|----|----|----------------|--------|------------|
| MDEM 31-TF | 53431000 | | • | – | • | • | licensed |
| MDEM 31-EM | 53431001 | | • | • | • | • | licensed |
| MDEM 31.IP-TF | 53431100 | Ethernet | • | – | • | • | licensed |
| MDEM 31.IP-EM | 53431101 | Ethernet | • | • | • | • | licensed |
| NDEM 31-TF | 54431000 | | • | – | *) | *) | *) |
| NDEM 31-EM | 54431001 | | • | • | *) | *) | *) |

*) 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.