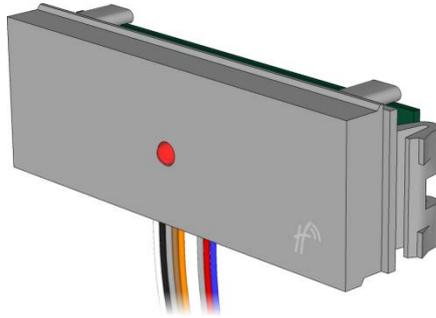




## Readers for BPT Lithos entry panels



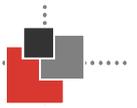
Miniature reader module 125 kHz (TF / EM) with integrated door controller designed for installation in *Lithos* entry panels of *BPT* audio and video systems, which can also provide its power supply. It occupies a place of a single call button, available in *GH* (light grey) color version.

### Basic technical features

|                         | <b>APS mini</b>  | <b>APS 400</b>                        |
|-------------------------|--|---------------------------------------|
| Trade description       | <b>MREM 80 LithGH</b>  | <b>NREM 80 LithGH</b>                 |
| Operating voltage       | 8 ÷ 28 V DC (e.g. A/200, AS/200, VA/200, VAS/100, XA/300...)         |                                       |
| Current consumption     | 60 mA, max. 90 mA (8V)   |                                       |
| ID technology           | 125 kHz (TF / EM)  |                                       |
| Typical reading range   | 5 / 5 cm (with ISO card)   |                                       |
| Card memory             | 2,000 IDs + 2 master cards   | 748 <sup>1)</sup> (emergency funtion) |
| Events memory           | 3,400  | - <sup>1)</sup>                       |
| Time schedules          | 64 per day of the week and for holidays + never / always             | - <sup>1)</sup>                       |
| Real-time clock         | Available, with optional backup module                               | - <sup>1)</sup>                       |
| Inputs                  | 2x controlled by potential-free contact                              | 2x input <sup>1)</sup>                |
| Outputs, indicators     | 1x open collector 0V active (max. 2A / 24V), 1x LED, 1x PIEZO buzzer |                                       |
| Communication interface | RS 485   |                                       |
| Optional data output    | N / A  |                                       |
| Weight                  | 0.017 kg   |                                       |
| Operating environment   | -25°C ÷ +60°C, humidity max. 95% non-condensing                      |                                       |
| Protection class        | IP 54 (built in the entry panel)                                     |                                       |
| Housing & dimensions    | Plastic, 13x53x13 mm, GH (light grey)                                |                                       |
| Connecting cable        | 2x 0.4 m, with connector   |                                       |

<sup>1)</sup> 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](http://www.techfass.cz).

|                         | <b>Reader with standard WIEGAND output</b>       |
|-------------------------|--|
| Trade description       | <b>WREM 80 ThanGH</b>                            |
| Operating voltage       | 8 ÷ 15 VDC                                       |
| Current consumption     | 75 mA, max. 80 mA                                |
| ID technology           | 125 kHz (TF / EM)                                |
| Typical reading range   | 4 / 4 cm (with ISO card)                         |
| Inputs                  | 1x buzzer control, 1x yellow / green LED control |
| Outputs, indicators     | 1x LED 1x PIEZO                                  |
| Communication interface | WIEGAND (configurable without software)          |
| Weight                  | 0.023 kg   |
| Operating environment   | -25°C ÷ +60°C, humidity max. 95% non-condensing  |
| Protection class        | IP 54 (built in the entry panel)                 |
| Housing & dimensions    | Plastic, 13x53x13 mm, GH (light grey)            |
| Connecting cable        | 0.4 m, with connector                            |



## Versions & Compatibility

| Reader module      | Code     | TF | EM | Events archive | ACS SW | Extensions |
|--------------------|----------|----|----|----------------|--------|------------|
| MREM 80 LithGH -TF | 53480400 | •  | –  | •              | •      | licensed   |
| MREM 80 LithGH -EM | 53480401 | •  | •  | •              | •      | licensed   |
| NREM 80 LithGH -TF | 54480400 | •  | –  | *)             | *)     | *)         |
| NREM 80 LithGH -EM | 54480401 | •  | •  | *)             | *)     | *)         |
| WREM 80 LithGH     | 51480401 | •  | •  | –              | –      | –          |

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

## Application



xREM 80 LithGH in Lithos entry panel

## 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:               | <i>configurable</i>  |
| ID memory:              | <i>2,000</i>   |
| Online authorization:   | <i>&gt;10<sup>7</sup></i>  |
| Offline events:         | <i>3,400</i>   |
| Time schedules:         | <i>64</i>  |
| Addresses / comm. line: | <i>32</i>  |
| Lines per system:       | <i>unlimited</i>   |
| Management:             | <i>master cards or PC</i>  |
| Software for free:      | <i>CFG, management</i>   |
| Software extensions:    | <i>Licensed: basic T&amp;A evaluation, visualization, overviews, guard tour monitoring, etc.</i> |

|                         |   |
|-------------------------|---|
| Function:               | <i>programmable</i>   |
| ID memory:              | <i>up to 15,000</i>   |
| Online authorization:   | <i>&gt;10<sup>7</sup></i>   |
| Offline events:         | <i>up to 57,000</i>   |
| Access groups:          | <i>128</i>  |
| Time schedules:         | <i>64</i>   |
| Addresses / controller: | <i>64</i>   |
| Controllers per server: | <i>&gt;32</i>   |
| Management:             | <i>PC</i>   |
| Software for free:      | <i>programming &amp; CFG, management (up to 10 IDs)</i>   |
| Software extensions:    | <i>Licensed: management of over 10 IDs in the system, basic T&amp;A evaluation, visualization, overviews, guard tour monitoring, etc.</i> |