



## Single door controller



Single door controller xRIF 232 is used for connecting a GP8, GP20, GP30, GP60 or GP90 (version xRIF 232-GP) reader using its RS 232 interface or iButton technology readers (version xRIF 232.IB) into the APS systems.

The modules are intended for surface mounting in outdoor non-protected environment.

## Basic technical features

|                         | <b>APS mini</b>  | <b>APS 400</b>                           |
|-------------------------|--|--|
| Trade description       | <b>MRIF 232-GP</b><br><b>MRIF 232.IB</b>                 | <b>NRIF 232-GP</b><br><b>NRIF 232.IB</b> |
| Operating voltage       | 8 ÷ 15 V DC  |  |
| Current consumption     | 70 mA, max. 130 mA                                       |  |
| Interface for ID reader | RS 232 , 1 wire (iButton)                                |  |
| Card memory             | 2,000 users + 2 master IDs                               | 748 <sup>*)</sup> (emergency funtion)    |
| Events memory           | 3,400  | - <sup>)</sup>                           |
| Time schedules          | 64 per day of the week and for holidays + never / always | - <sup>)</sup>                           |
| Real-time clock         | Available, with min. 12 hrs backup                       | - <sup>)</sup>                           |
| Inputs                  | 2x controlled by potential-free contact                  | 2x input <sup>)</sup>                    |
| Outputs, indicators     | 2x relay NC/NO, 2A/24V, LEDs on board, 1x buzzer         |  |
| Communication interface | RS 485   |  |
| Optional data output    | Wiegand (configurable)                                   |  |
| Tamper protection       | Integrated NC contact                                    |  |
| Weight                  | 0.202 kg   |  |
| Operating environment   | -25°C ÷ +60°C, humidity max. 95% non-condensing          |  |
| Protection class        | IP 65  |  |
| Housing & dimensions    | Plastic, 65x165x55 mm                                    |  |

<sup>)</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).

## Accessories

|            |          |   |
|------------|----------|---|
| PAS-DALLAS | 51580200 | iButton touch probe, 2x LED, cable 0,3m |
| CZ-DALLAS  | 51400500 | iButton chip with plastic holder        |



PAS-DALLAS



CZ-DALLAS



## Versions & Compatibility

| Reader module | Code     | Note                        | Events archive | ACS SW | Extensions |
|---------------|----------|-----------------------------|----------------|--------|------------|
| MRIF 232.IB   | 53412400 | iButton                     | •              | •      | licensed   |
| MRIF 232-GP   | 53412600 | GP8, GP20, GP30, GP60, GP90 | •              | •      | licensed   |
| NRIF 232.IB   | 54412400 | iButton                     | )              | )      | )          |
| NRIF 232-GP   | 54412600 | GP8, GP20, GP30, GP60, GP90 | )              | )      | )          |

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

## TECHFASS<sup>®</sup> 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: *>10<sup>7</sup>*  
 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: *>10<sup>7</sup>*  
 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.*