



# DS1 HF Mullion Reader

Combining a sleek and modern design with the most secure High Frequency (HF) technology, the DS1 HF Mullion Reader is made to fit onto a door frame whilst maintaining PAC's legacy of quality and reliability. The DS1 HF Mullion reader uses our unique Oneprox™ Smart (Ops) technology and the industry's leading MIFARE® and DESFire® EV1 reading protocols, minimising the risk of token cloning.

The DS1 is the recommended reader to be used with the PAC8™ App-Based Door Controller due to its cost effective, highly functional, yet simple design. It can however, also be used with our range of 500 series controllers as well.

The other products in the PAC8 range include the PAC8 Door Controller, the PAC8 App and the PAC8 QR Ops™ Tokens. They have been carefully engineered to work together seamlessly to ensure a simple and reliable system that can be programmed quickly and easily.

## Features of the DS1 HF Mullion Reader:

- Backward compatibility and ease of upgrading site from legacy readers to smart technology
- AES-128bit certification when used in conjunction with PAC Ops™ smart credentials, PAC 512 and PAC8 controllers
- Compatible with PAC8 and all 500 series controllers
- 1 year guarantee against electronic failure
- Reads PAC Ops™ credentials
- Up to 45mm reading range
- PAC64 output only



Contact our dedicated customer services team on:

**+44 (0) 161 406 3400**

To find out how you can start benefiting from a tailored PAC security system that accommodates your business' requirements.

**DS1 HF Mullion reader works effortlessly with the PAC8™ controller whilst being cost effective, simple, and also highly functional.**

### Part Numbers:

12182 - PAC DS1 HF Mullion Reader

**Customer Services:**  
[customerservices@pacgdx.com](mailto:customerservices@pacgdx.com)

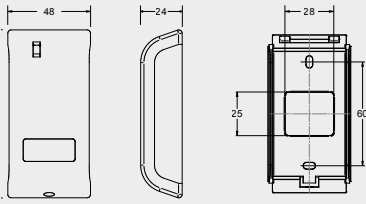
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[www.pacgdx.com](http://www.pacgdx.com)



# DS1 HF Mullion Reader SPECIFICATIONS

<b>Model &amp; Part Number</b>	PAC DS1 HF Mullion Reader - 12182
<b>Dimensions</b>	 60mm(H) x 48mm(W) x 24mm(D)
<b>HF Credentials*</b>	21106 - Card - pk of 10 21103 - Token - pk of 10 (with clips) 21102 - Token - pk of 10 (without clips) 21108 - PAC8 Token - pk of 10
<b>Operating Temperature</b>	-40° C to +66° C / -40° F +151° F
<b>Weight</b>	150g
<b>Operating Humidity</b>	10-85% RH @ 30 -/+ 2° C / 85 -/+ 4° F
<b>ID Technology</b>	PAC Ops™, PAC8™ QR Token
<b>Programmable Output Formats</b>	PAC64 only
<b>Maximum Read Range</b>	Up to 45mm
<b>Environment</b>	IP55 - indoor use only
<b>Operating Voltage</b>	12V to 24V DC
<b>Maximum Current Requirements @12 V DC</b>	<90mA @ 12V DC
<b>Audio Visual Indication</b>	Bi-colour LED (red/green)
<b>Material</b>	Polycarbonate
<b>Certification</b>	CE compliant under the R&TTE Directive
<b>Recommended Cabling Type</b>	6 core 24 AWG alarm cable unscreened for PAC
<b>Boxed Product Contents</b>	Reader and instruction manual

\* Ops - MIFARE® DESFire® EV1 only

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