

## Proximity Reader HDP 60-W02

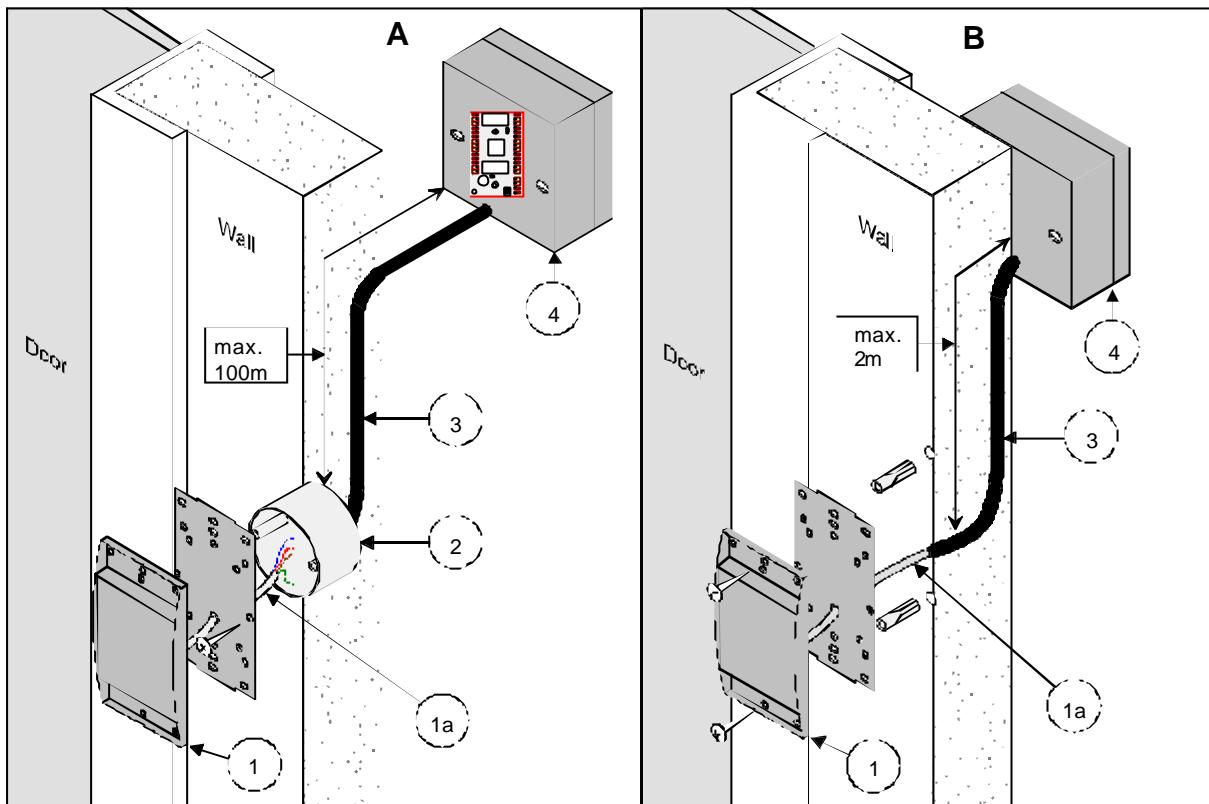
### Information to the User

	<p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:</p> <p>(1) This device may not cause harmful interference, and  (2) This device must accept any interference received including interference that may cause undesired operation.</p> <p>This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:</p> <ul style="list-style-type: none"> <li>■ Reorient or relocate the receiving antenna.</li> <li>■ Increase the separation between the equipment and receiver.</li> <li>■ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.</li> <li>■ Consult the dealer or an experienced radio/TV technician for help.</li> </ul>
	<p><b>Caution</b>  Changes or modifications not expressly approved by the Party responsible for compliance could void the user's authority to operate the equipment.</p>
	<p><b>Usage in Accordance with the Intended Purpose</b>  The described proximity reader is used for reading data of proximity identification media. Any other use is not permitted.</p>
	<p>Interflex is not to be held responsible for damages caused by the use of the proximity reader. Interflex reserves the right to make modifications without prior notification in the interest of technical progress.</p>

## Installation

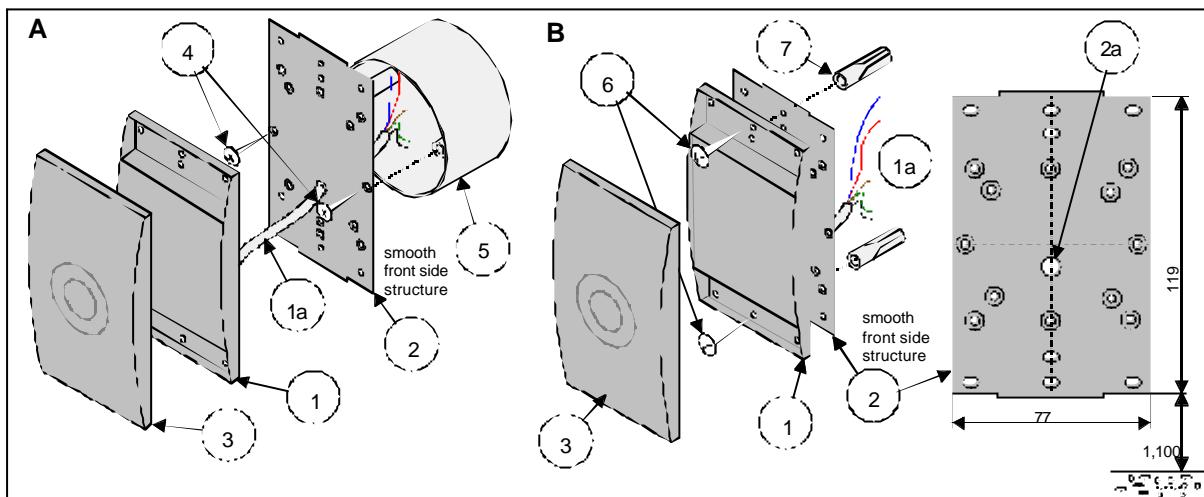
→ Install the proximity reader next to the locking device in an unsecured area and connect the connecting cable either directly or via an extension cable to the access manager monitoring this access point.

## Installation Variants



A	Connection via extension cable	B	Direct connection
1	Proximity reader	1	Proximity reader
1a	Connecting cable	1a	Connecting cable fed in an empty tube
2	Junction box <sup>1n</sup> with 10-pin terminal strip	3	Empty tube, max. 2 meters
3	10-wire cable in empty tube, max 100 meters	4	Access manager or junction box
4	Access manager, e.g. IF 0-610		

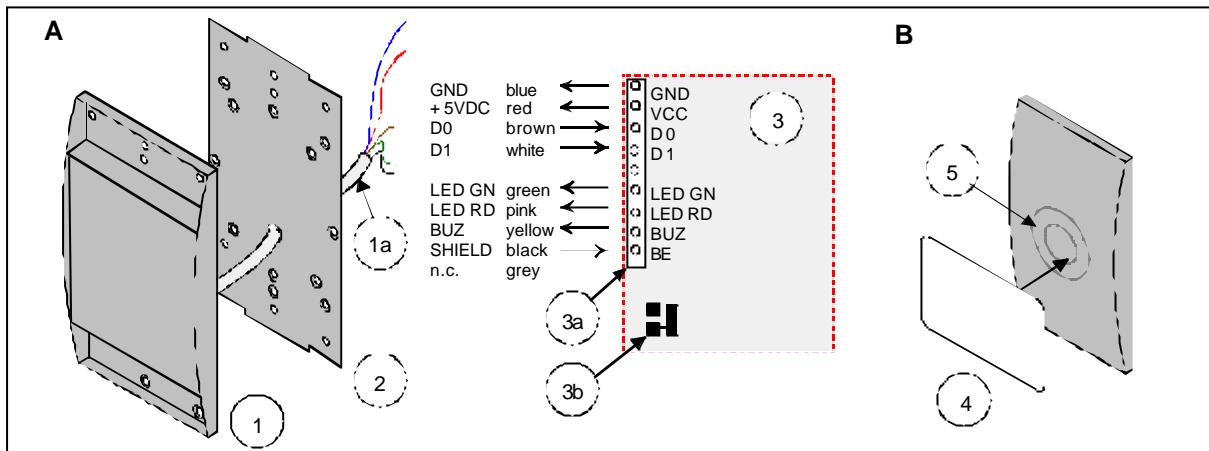
## Assembly



A	Countersunk screws for fastening	B	Cylinder head screws for fastening
1	Reader housing	1	Reader housing
1a	Connecting cable	1a	Connecting cable
2	Mounting plate (smooth side at the front)	2	Mounting plate (smooth side at the front)
2a	Cutout for connecting cable	2a	Cutout for connecting cable
3	Housing cover	3	Housing cover
4	3x 25 countersunk bolts	6	Cylinder head screws
5	Single/double-gang back box	7	Dowel S 6

<p>→ Please mind the following points when installing and connecting the reader:</p> <p><b>Assembly</b></p> <ul style="list-style-type: none"> <li>⇒ The potted electronics permits an installation not only in a dry but also in a wet environment.</li> <li>⇒ The mounting surface behind the proximity reader must be smooth and even in order to prevent distortion when fastening the screws and allow the housing cover safely lock into place.</li> <li>⇒ Besides common wall mounting, the arrangement of chamfering in the mounting plate permits mounting into single/double-gang back boxes, e.g. into a DIN back box.</li> <li>⇒ Only use countersunk bolts which are flush with the chamfering, for fastening the mounting plate (see Figure A).</li> <li>⇒ The cylinder-head screws enclosed in delivery can be used to mount the reader housing and the mounting plate to the wall (Figure B).</li> <li>⇒ Once the function test is completed, the cover is placed on the reader housing, pushed to the back until the retaining pins and the mounting plate lock into place.</li> <li>⇒ The mounting plate enclosed in delivery may also be used as boring pattern.</li> </ul> <p><b>Connection</b></p> <ul style="list-style-type: none"> <li>⇒ An at least 10-wire shielded data cable, e.g. type J-Y-(ST) Y 5x2x0.6 mm, may be used to extend the available connecting cable. In this case, GND and +5 VDC have to be connected with 2 wires each.</li> </ul>
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## Connection



A	Proximity reader connection	B	Presentation of an identification medium
1	Reader housing	4	Credential in check card format
1a	Connecting cable	5	LED display
2	Mounting plate		
3	Access manager, e.g. IF 0-6xx		
3a	Terminal strip (IF-0-6xx)		
3b	Solder bridges (IF-0-6xx)		

→ Connect the connecting cable (Figure A, 1a) to the terminal strip marked for this purpose in the access manager (Figure A, 3). The colors of the conductors as well as the relevant signals are shown in the above figure. Further information on the connection can be found in the "Instructions on Installation and Connection" which is enclosed in delivery of the respective access manager.

## Access Manager - Solder Bridge Setting

The access manager's all-purpose interface is matched via solder bridges to the proximity reader's interface. Further information can be found in the "Instructions on Installation and Connection" which is enclosed in delivery of the respective access manager.

→ Set the solder bridges to the position reserved for Wiegand readers.

## Access Manager - Configuration

Access managers are only able to read the transmitted data if the reader is defined as of HID/P type.

→ The reader type setting can be checked via the OC menu<sup>1</sup> \$ cfg (see also "read1" of the table below). Define the reader type via the OC menu \$ termini -x (x = hardware address of the terminal) if another reader type than HID/P is indicated.

\$ cfg

No	B	A	HA	TNo	type	HWU	SWU	display	keys	read1	read 2	IN/OUT
1	1	A	1	15	IF 610	2.00	5.ed	-	-	Prox	-	-

## How to Correctly Present a Credential

→ In order to permit a correct data capture, the identification medium must be presented within the specified range and in parallel to the proximity reader (see above, figure B ) until the red or green LED lights up and a short "beep" can be heard.

<sup>1</sup> The OC menus are part of the IF 1xxx software and can be invoked via the service interface of these systems.

## LED Display

→	The LEDs signalize: <ul style="list-style-type: none"> <li>- Blue LED light =&gt; operational readiness of the reader</li> <li>- Green LED light =&gt; a door opening</li> <li>- Green LED light and a short "Beep" =&gt; positive booking response followed by a door opening</li> <li>- Red LED light and "Beeps" repeated at intervals =&gt; a negative booking response</li> </ul>
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## Technical Data

Technical Data	Details
Power supply:	Via the access manager
- Low-voltage	5 VDC, +/- 5 %
- Power consumption	Max. 100 mA
Interface	Wiegand / MagCard / TTL asynchron
Frequency:	125 kHz
Read range between identification medium and reader	The actual read range performance depends on the range of action of the antenna embedded in the identification medium. It may range up to 80 mm (3.15").
General Data:	
- Ambient temperature	-20° C to +55° C/ -4° F to 131 ° F
- Protection category	IP 66, potted electronics
- EMC	FCC-Mark. This device complies with Part 15 of the FCC Rules CE-Mark. Complies with the R&TTE Directive valid in the EU countries. (EN 300 330- SRD and ETS 300 683)
- Weight	Approx. 180 g
Installation	Wall mounting by means of screws
Housing:	
- Material	Polycarbonate
. Color	Light gray
- Dimensions (LxWxD in mm/ inch)	118 x 77 x 23/ 4.65x 3.4x 0.91
Connecting cable:	8-wire cable
Display:	LEDs, green/ red and blue, beeper alarm

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