

Proximity Reader HDP 60-W01

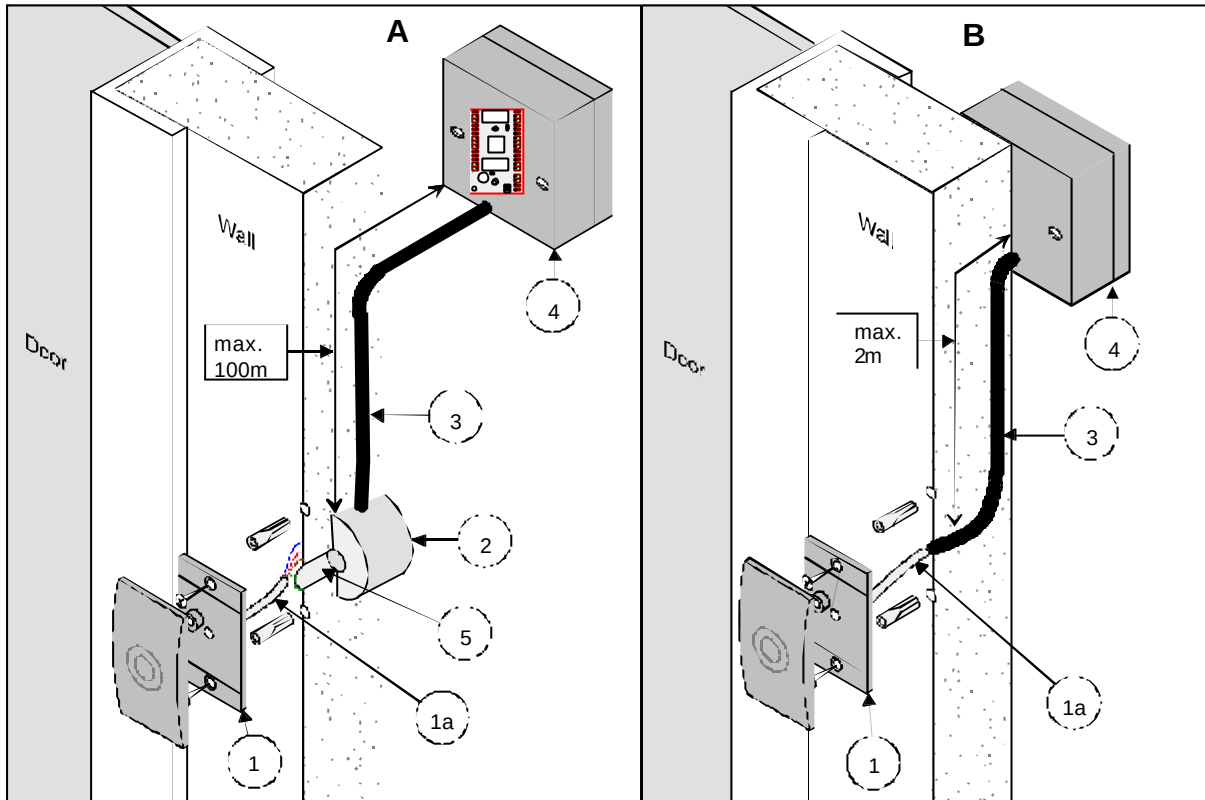
Information to the User

	This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received including interference that may cause undesired operation. 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: ■ Reorient or relocate the receiving antenna. ■ Increase the separation between the equipment and receiver. ■ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. ■ Consult the dealer or an experienced radio/TV technician for help.
	Caution Changes or modifications not expressly approved by the Party responsible for compliance could void the user's authority to operate the equipment.
	Usage in Accordance with the Intended Purpose The described proximity reader is used for reading data of proximity identification media. Any other use is not permitted.
	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.

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 cable¹ to the access manager controlling and monitoring this access point.

Installation Variants



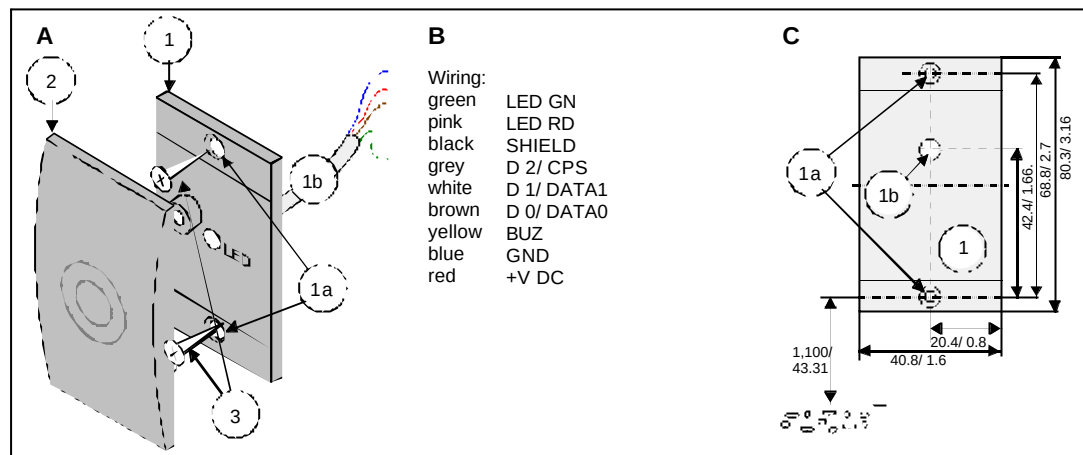
A	Connection via extension cable	B	Direct connection
1	Proximity reader	1	Proximity reader
1a	Connecting cable	1a	Connecting cable fed in an empty tube
2	Junction box with 10-pin terminal strip	3	Empty tube, max. 2m
3	10-wire cable ¹ in empty tube	4	Access manager or junction box
4	Access manager, e.g. IF 0-610		
5	8 mm bore for connecting cable (1a)		



An at least 10-wire, shielded data cable¹ may be used to extend the available connecting cable to a length of 100 meters/ 400 feet provided that GND and +5 VDC are connected with two conductors each.

¹ Cable type: e.g. J-Y (ST) Y 5x2x0.6mm or 10 conductor shielded cable AWG 22.

Assembly



A	Assembly	B	Connection	C	Drilling plan
1	Housing with board			1	Housing with MPU
1a	Chamfering			1a	Fastening bores
1b	Connecting cable			1b	7 mm knockout for cable (1b)
2	Cover				
3	Countersunk bolts				

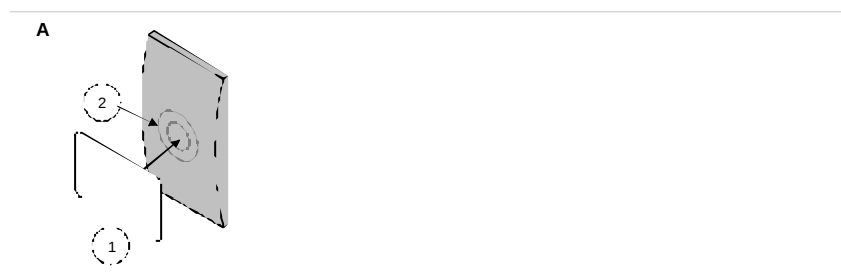
→	The following points must be considered when the reader is installed: 1. The potted electronics permits an installation not only in a dry but also in a wet environment. 2. The minimum distance to other systems equipped with proximity readers is limited to 0.3 meters/11.8". 3. If mounted on metal, a minimal impact on the read range performance must be taken into account. 4. Only use countersunk bolts which are flush with the chamfering (Figure A, 1a) for fastening the housing. 5. When having completed the function test, put on the cover, push it to the back until it locks in place.
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Connection

→	Connect the connecting cable to the terminal strip designated for this purpose in the door manager. The colors of the conductors as well as the relevant signals are shown in Figure B.
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How to Correctly Present the Identification Medium

i	In order to permit a correct data capture, the identification medium must be presented within the specified read range and in parallel to the proximity reader (see figure below).
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A	Card presentation		
1	Card	2	LED: display

Technical Data

Technical Data	Details
Power supply: - Low-voltage - Power consumption	Via the access manager 5 VDC, +/- 5% Max. 100 mA
Interface:	Wiegand / MagCard / TTL asynchron
Reader:	
- Type	HID proximity reader
- 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 50 mm/ 1.97".
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.40g
Installation type:	Wall mounting by means of screws
Housing:	
- Material	Polycarbonate
- Color	Light gray
- Dimensions (LxWxD in mm/ inch):	83.5 x 44 x 12.8 /3.3x1.73x0.5
- Connecting cable	8-wire cable
Display:	LEDs, green/ red and blue, beeper alarm

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