

Installation and User Instructions for S843 Readers

The S843 is a contactless smart-card reader, with liquid-crystal display and keypad, able to read Philips® MIFARE® and Philips MIFARE DESfire formatted cards.

The S843 uses 20mA current loop pseudo-random communications.

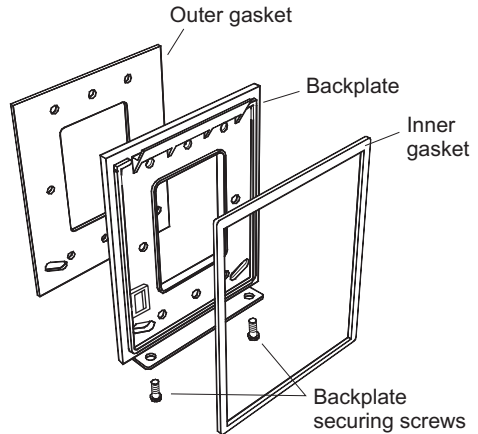


1 Fit the Weatherproofing Kit

When mounting outside, the two-part gasket kit must be fitted:

- Remove the backplate from the reader by releasing the two securing screws.
- Remove the cutouts and backing paper from the two gaskets, then stick them to the backplate as shown.

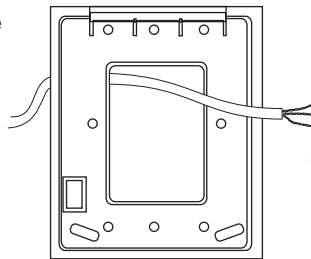
The optional heater kit maintains the reader at the correct temperature when mounted outside. With the backplate off, remove the backing paper from the two elements, then stick them to the inner sides of the reader. The heaters must be connected to a 24V AC supply (min 25VA).



2 Mount the Backplate

With the backplate off (see above), mount the backplate adjacent to the opening edge of the door and at a convenient height. Feed the required cables through the backplate:

- The cable from the controller.
- The cable from the heater, if used (must be a separate cable).
- A cable from a Remote Interface Module (RIM), if used. A RIM can reduce cable lengths to door furniture.

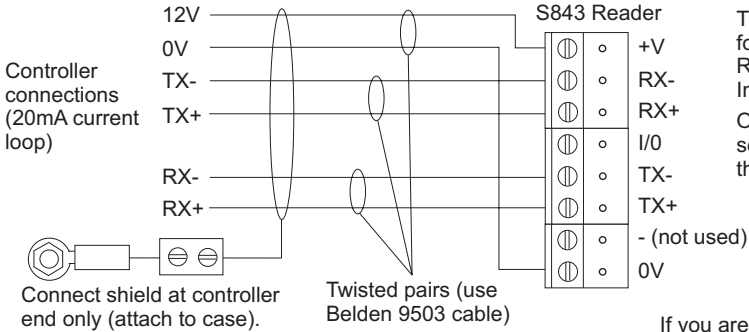


You should find that the backplate has holes for connection to most standard electrical backboxes.

3 Check the Reader Links

Ensure no jumpers are fitted across LK3 (NODE TERM), LK4 (HGU TERM) and LK2 (TEST). If a jumper is provided, park it across one pin only. LK1 (USER FB) - set to 1 for sound on and 0 for sound off.

4 Reader Connections



The I/O terminal is for connection to a RIM (see the RIM Instructions).
On completion, re-secure the reader to the backplate.

If you are using the reader with a Hand Geometry Unit (HGU), connect the HGU to PL1.

5 Using the Reader

Present the card face-on to the reader until you hear a "bleep". Cards can be presented in rapid succession; there is no need to wait for "UNLOCKED" to disappear before presenting another. If the reader has been enabled for user-code mode at the controller, you can gain access by pressing the # key, entering your card number, then pressing the * key.

About the Reader Messages

- READY** The reader is waiting for a valid card to be presented.
- UNLOCKED** When UNLOCKED is displayed, the lock is released and you may open the door.
- ACCESS DENIED & LOCKED** These messages are displayed if you do not have access rights to gain entry, or if the reader did not read your card properly (in this case, present it again).
- ENTER PIN** If the ENTER PIN message is displayed, enter your PIN. If you make a mistake, the message INCORRECT PIN is momentarily displayed, followed by ENTER PIN, to prompt you to try again.



Flashing or steady

These auxiliary indicators can be configured to operate in conjunction with conditional commands.

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FCC Notice: 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.

Any unauthorised modification to this device may void the authority of the user to operate it.

Specifications

- Input voltage: 9-14Vdc.
- Input current (excl. heater): 150mA @ nom. 12Vdc.
- Operating temperature: -4 to 158°F (-20 to 70°C) without heater.
- Operating humidity: 15 to 90%, non-condensing.
- Maximum read range: 1" (25mm).
- Approvals: EN50133, R&TTE, IP656.