

DARK CRYSTAL FINGERPRINT READERS



- **FINGERPRINT READERS**
- **Up to 1000 users**
- **Simple to install**
- **User friendly**
- **Gesture sensors**
- **Optional local administration**
- **Made in UK**
- **Lifetime Warranty & Support**

www.progeny.co.uk

CE

 **Progeny**
Access Control



Internal Fingerprint Reader

The Dark Crystal Biometric Reader is both a Fingerprint Recognition Reader and a RFID (Radio Frequency Identification) proximity reader.

The biometric features are integrated with the Progeny P4 systems with controller firmware V4.5 and later. This reader is intended for indoor use.

Up to 1000 users can enrol two fingerprints each. These are recorded in the controller and (if online) in the server database.

The Dark Crystal range uses a simple 4 wire interface for all power, data and signalling between Controller and Reader.

The Dark Crystal Biometric reader can be fitted directly to a standard UK light switch back box (with 60mm fixing centres). It is supplied with M3.5 screws for this purpose.

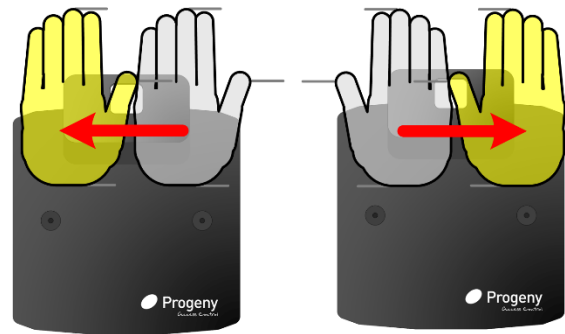
Always use a screened cable (minimum 6 core 7/0.2 non-twisted) and connect the screen to earth at the controller. Maximum cable distance 50m.

Enrolment

The Progeny fingerprint system keeps two templates available for each user. The use of two fingers per user is not compulsory but it is recommended. There are 1000 slots available (2 fingers per slot), usually for left and right.

Gesture Sensors

Integral gesture sensors allow for optional local administrators to add temporary or visiting users.

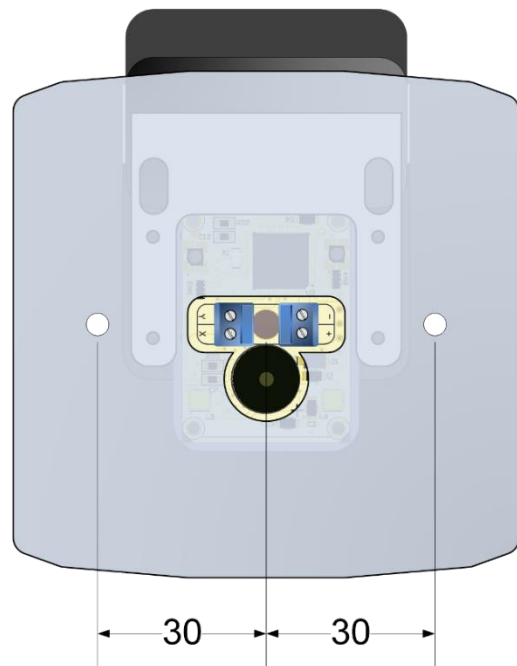


Specification

Users (2 Templates each)	1000
Minutiae points	≥ 19
FAR (1:1)	0.001%
FRR	0.1%
Processing Time (1:2000)	<1.5 s
7 Processing Time (1:1)	<1.0 s
Supply Voltage	8 to 14 VDC
Peak Current	150mA
Current (average)	50 mA
Cable Distance	50 m
Temperature range	0 to 40 °C
Ingress Protection	IP 65
Impact Protection	IK 05

DIMENSIONS (mm)

4850 Internal Reader W90 x H90 x D19



External Fingerprint Reader

The external Biometric Reader is also both a Fingerprint Recognition Reader and a RFID (Radio Frequency Identification) proximity reader.

The external reader has a pigtail cable for termination. This version of the reader is weather and temperature protected.

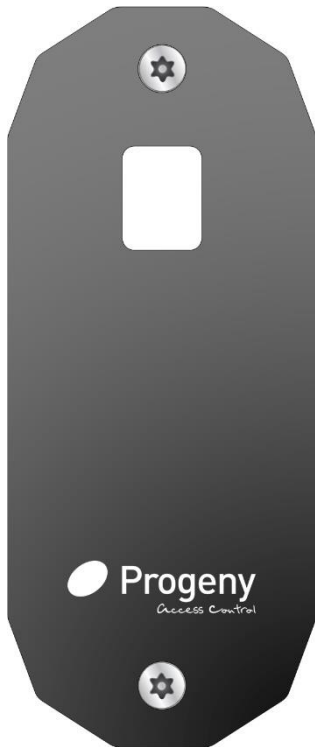
Always use a screened cable (minimum 6 core 7/0.2 non-twisted) and connect the screen to earth at the controller. Maximum cable distance 50m.

SPECIFICATION

Users (2 Templates each)	1000
Minutiae points	≥ 19
FAR (1:1)	0.001%
FRR	0.1%
Processing Time (1:2000)	<1.5 s
7 Processing Time (1:1)	<1.0 s
Supply Voltage	8 to 14 VDC
Peak Current	150mA
Current (Ta > 7 °C)	50 mA
Current (Ta < 5 °C)	100mA
Cable Distance	50 m
Temperature range	-20 to 40 °C
Ingress Protection	IP 65
Impact Protection	IK 05

DIMENSIONS (mm)

4851 External Reader W50 x H120 x D20



PRODUCT CODES

Description	Code
Dark Crystal Internal Fingerprint Reader	4850
Dark Crystal External Fingerprint Reader	4851

