2052 Progeny HID Proximity Reader

PRODUCT SPECIFICATION		
Parameter	**Min**	**Max**
Operating Voltage Range	7.0 VDC	16.0 VDC
Peak Current	-	80 mA
Average Current	-	20 mA
Cable distance to controller	-	100 m

$C\,E$	ISO 9001 Registered nqa.	
EMC & W	Certificate Number 17851	
WEEE	Certificate Number WEE/JG2915VS	
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For further details and assistance contact us on 01254 883348 or email us on
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Mounting

The ideal mounting position for a card reader will depend on the application and reader type. Choose a position that will be natural for users to be able to swipe a card and then open the door, usually between 1.0 and 1.5 metres from the floor.

Determine an appropriate mounting location. The reader may be mounted to any surface, including metal.

For Wood & Metal: Drill two (2) 2 mm holes approximately 1 inch deep for mounting the reader.

- For Brick Plaster etc: Drill and plug two holes for mounting the reader.
- Drill a 16 mm hole for the cable.
- Secure the reader to the mounting surface.
- Route the cable from the reader to the controller.
- Test the operation of the reader. After completion of the test, apply the front label to hide mounting points.
- Proximity Reader Special Notes

Do not mount two readers back to back on either side of a wall.

It is a good idea to fully test the system before attaching the front label. The proximity reader may be mounted internally or externally.

If the reader is being mounted externally, spread silicon compound over the terminals, after connecting and testing.

Cable Notes

Always use a screened and non twisted cables (8-core 7/0.02 mm) for card readers.

Don't exceed the maximum cable length specified for each reader.

The screen of the cable should be connected to the earth stud of the controller. Keep the pigtail of the screen as short as possible once the cable has entered the enclosure. The inner cores can then make the rest of the journey to the terminal blocks.

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Connections

Only one reader may be connected to each reader input of the controller. This is why two reader inputs are provided on Progeny P1 and P4 controllers.

The proximity readers are available with two interfaces: "Wiegand" & "Clock & Data". The most common interface is the Wiegand. Clock & Data Readers are identified with "CD" label. Connect the reader to the controller according to the wiring table below. Check the controller manual for the latest information.

CONNECTION TABLE (WIEGAND INTERFACE)		
Connection	**Reader**	**P4 Controller**
Supply positive	Red	+12 V
Supply negative	Black	0 V
Data (D1)	White	X
Data (D0)	Green	Y
LED Control	Orange	LED
ESD and signal Screen	Drain wire	Earth Stud of Enclosure
Sounder Drive	Yellow	BUZ
Not Used	Blue	No Connection / Insulate
Not Used	Brown	No Connection / Insulate

CONNECTION TABLE (CLOCK & DATA INTERFACE)		
Connection	Reader	Controller
Supply positive	Red	+12 V
Supply negative	Black	0 V
Data (Data)	Green	X
Data (Clock)	White	Y
ESD and signal Screen	Drain wire	Earth Stud of Enclosure
Sounder Drive	Yellow	BUZ
Not Used	Blue	No Connection / Insulate
Not Used	Brown	No Connection / Insulate