Installation Instructions   Panel Mount Proximity Reader

Part Code: AC-1202

Introduction

The AC-1202 panel mount proximity reader from Controlsoft®
reads Controlsoft 125KHz cards and tags, and connects to any
Access Control Unit (ACU) via a Wiegand interface.
The unit has an internal piezo buzzer and bi-colour LED to
indicate status.
The circuitry is encased in a durable, waterproof resin, making
it suitable for indoor and outdoor use.

Step 1 — Mount the Reader

Fit the reader in the panel as appropriate

Step 2 — Connect the Reader to the ACU

The reader is supplied with a 1/2 metre 'pigtail' lead with the following connections:

Colour	Signal Description
Red	+12Vdc
Black	Ground 0V
Green	Data 0
White	Data 1
Purple	Green LED Control

Connect the reader as described in the Installation Instructions for the ACU. Information on
wiring to a Controlsoft iNet™, Reader Expansion Board, Edge or Solo 2 is provided overleaf.

If the distance between the ACU and reader is more than 25 metres, power must be supplied
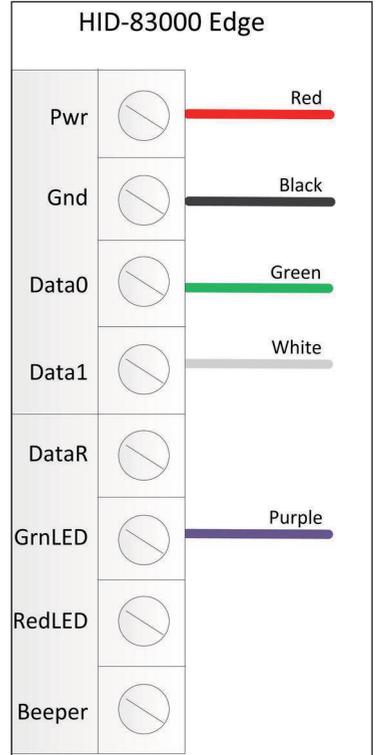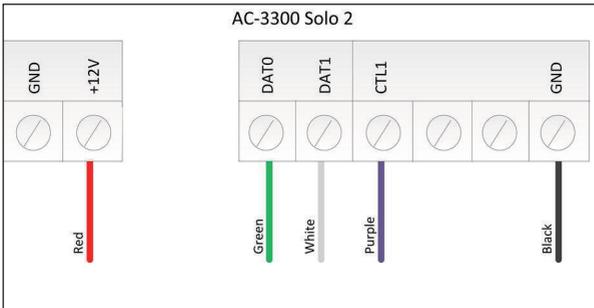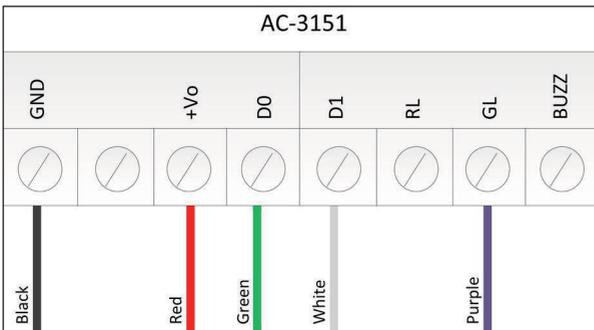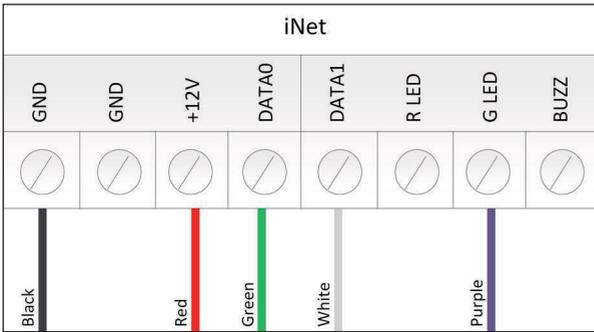to the reader by a power supply mounted close to the reader.
If the length of the pigtail needs to be extended, it is important to use screened, non twisted
cable such as Belden 9538 which must not exceed 100 metres.

Step 3 — Test the Reader

To ensure correct operation of the reader, test the connections to the ACU by referring to the
following checklist:
1   The LED is solid red (normal wait state).
2   An allowed card swiped at the reader generates a long beep and the LED turns green
    (normal allow state).
3   A denied card swiped at the reader generates a short beep and the LED remains red
    (normal deny state)
4   If the reader does not respond when a card is presented, the card is either not a valid
    type of card or interference may be present.

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AC-1202 - Wiring Diagram

iNet

GND	GND	+12V	DATA0	DATA1	R LED	G LED	BUZZ

Black — Red — Green — White — Purple

AC-3151

GND		+Vo	D0	D1	RL	GL	BUZZ

Black — Red — Green — White — Purple

AC-3300 Solo 2

GND	+12V		DAT0	DAT1	CTL1			GND

Red — Green — White — Purple — Black

HID-83000 Edge

Pwr	Red
Gnd	Black
Data0	Green
Data1	White
DataR	
GrnLED	Purple
RedLED	
Beeper	

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