

MODEL NUMBER: XTA905-1-0-GB-XX

IMPROX TAR

ImproX (TAR) Time Attendance Remote Reader INSTALLATION MANUAL

SPECIFICATIONS

Working Environment	The Remote Reader is designed to work in an indoor (dry) environment, similar to IP50. The Remote Reader is, therefore, not sealed against water.	
Input Voltage	5 V DC, polarity sensitive.	
Power Requirements	Current (mA)	Power (W)
Input Voltage 5 V DC, Indicators ON, Back-lighting ON.....	130	0.65
Buzzer		
Volume and Tone.....	Single tone, with a 4-step adjustable volume.	
Status Indicators		
Status LED.....	Bi-colour Red or Green LED (externally visible). The functions are application specific.	
Liquid Crystal Display (LCD)		
Characters	16 Characters by 1 line.	
Character Set.....	English, Katakana.	
Contrast	Software adjustable in 8 discrete steps via the Communications Protocol.	
Back-lighting.....	Permanently on.	
Keypad		
Buttons	4 Buttons, used for entering Reason Codes.	
Back-lighting.....	Permanently on.	

INSTALLATION INFORMATION

Accessories

Find the following when unpacking the Remote Reader:

- An ImproX (TAR) Time Attendance Remote Reader, supplied in a Dark Grey ABS Plastic housing. The housing consists of the Front Cover (including the Liquid Crystal Display (LCD)) and the Base (Backing Plate). The Front Cover and Base are secured with two lugs, one at each end.
- Two (black) Polymate Screws (2.2 mm x 7.4 mm) Countersunk. (These are supplied to firmly attach the Remote Reader's Front Cover to the Base).
- Two Brass Wood Screws (3.5 mm x 25 mm).
- Two Wall Plugs (7 mm).
- An extra Serial Number Label.

General

Remember the following when installing the Remote Reader:

Maximum Data Communications Distance

The distance between the Remote Reader and the ImproX MfT, ImproX PT, ImproX TA or the IXP121 Controller can be extended to a maximum of 10 m (33 ft) using a good quality shielded multi-strand 2-pair twisted cable. The individual conductor cross-sectional area of the cable must not be less than 0.2 mm² (0.0003 in²).

Distance between Remote Readers from DIFFERENT Terminals or Controllers

To avoid mutual interference, install the Remote Readers no closer than 500 mm (20 in) apart.

Mounting the Remote Reader

CAUTION: Make certain that you mount the Remote Reader on a vibration-free surface.

Select the mounting position of the Remote Reader, considering accessibility, routing of wires and visibility of the externally visible LEDs and Liquid Crystal Display (LCD).

Secure the enclosure to the mounting surface, using two suitable screws and wall plugs (supplied), nuts and bolts or rivets.

Blank Space

Connecting the ImproX TAR Remote Reader

Figure 1 to Figure 2 shows detailed connection diagrams for the Remote Reader.

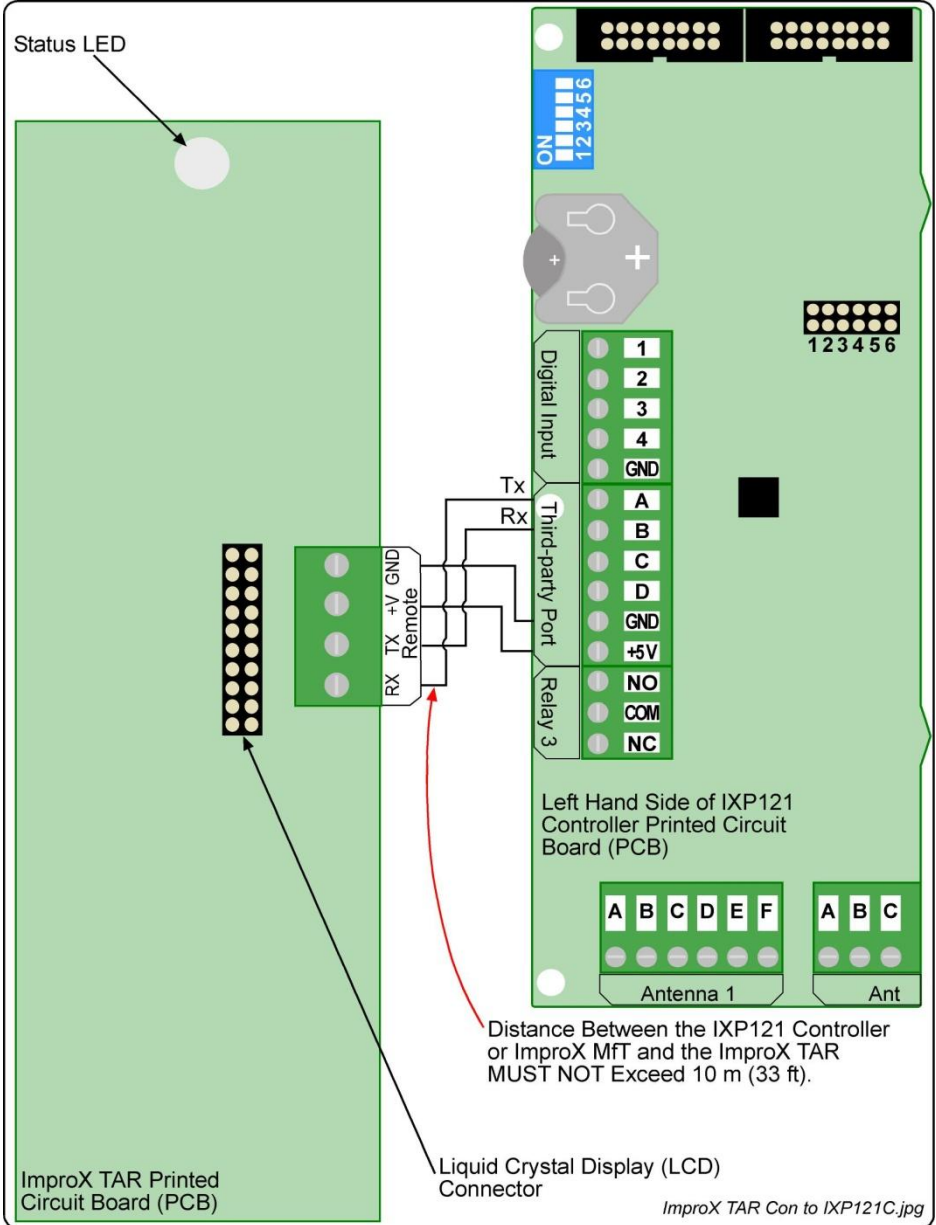


Figure 1: ImproX TAR Connected to the IXP121 Controller or ImproX MfT

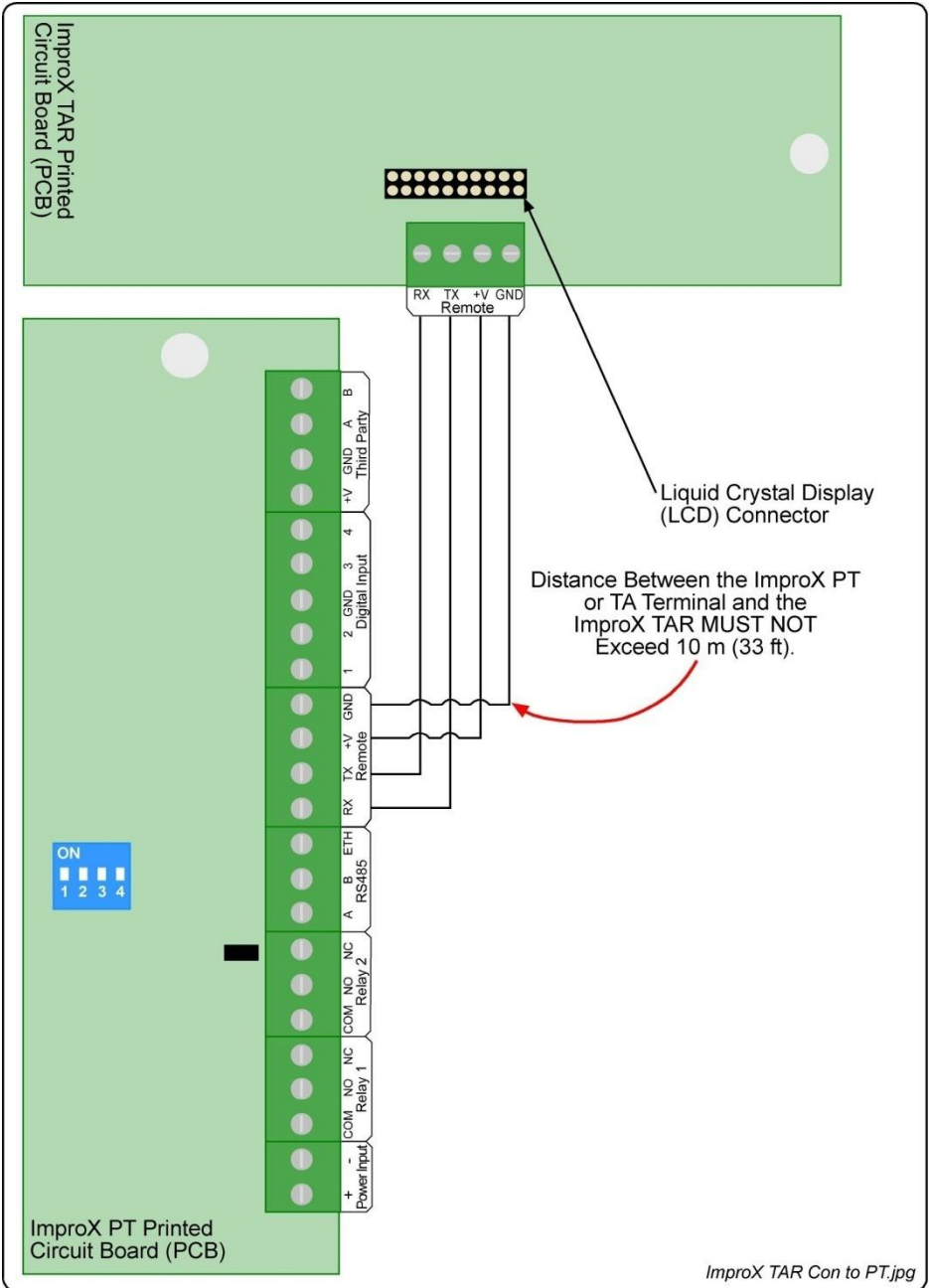


Figure 2: ImproX TAR Connected to the ImproX PT or ImproX TA

NOTE: *On powering up, the Remote Readers Status LED will illuminate solid Red, and the Buzzer will beep twice.*

The Remote Reader will not read Tags until configured in the Software. Details of these procedures are located in the IXP120, 200 or 300 and 400 Software Manuals.

Serial Number Label

Once the Remote Reader is installed, sketch a rough site plan. The loose Serial Number Label (packaged with the Remote Reader) should be used (paired) in conjunction with the ImproX MfT, ImproX PT, ImproX TA or the IXP121 Controllers Fixed Address Label.

The Remote Reader does not have its own Fixed Address. When connected to an ImproX MfT, ImproX PT, ImproX TA or the IXP121 Controller it is assigned one of the available Fixed Addresses.

The Serial Number Label identifies the type of Remote Reader, and the Fixed Address Label (shipped with the ImproX MfT, ImproX PT, ImproX TA or the IXP121 Controller) identifies the Fixed Addresses. Both these labels should be attached to the site plan to assist in identifying the hardware once an Auto-ID is performed.

GUARANTEE OR WARRANTY

This product conforms to our Guarantee or Warranty details placed on our Web Site, to read further please go to www.impro.net.

USER NOTES

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This manual is applicable to the ImproX (TAR) Time Attendance Remote Reader, XTA905-1-0-GB-03. (The last two digits of the Impro stock code indicate the issue status of the product).

XTA304-0-0-GB-04

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