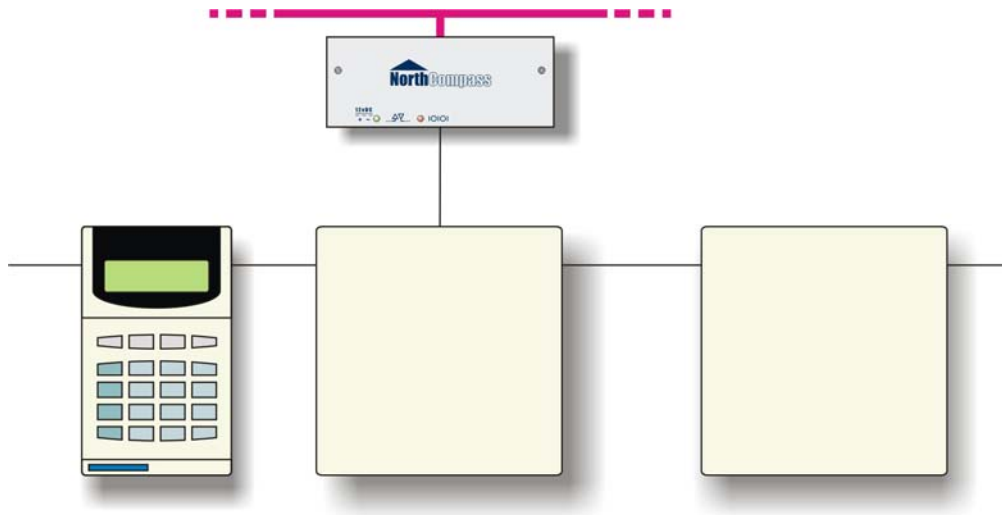


Product Engineering Guide

Compass v22 InnerRange v10 RS232

Introduction

The InnerRange Compass Point links the Inner Range Security and access system to the Compass Network.



Supported Range

- Inner Range - Concept range of security and access modules.

Engineering

Step 1 – Mount the Compass Point

Refer to the 'Mounting' section within the 'RS232 Compass Point Hardware' document for details on how to mount the Compass Point securely to a wall or within a cabinet.

Step 2 – Configure the Inner Range System

Configure one of the serial ports on the UART as 'PC Direct'. Select a baud rate that will be matched in the Compass Point configuration.

Step 3 – Connect Compass Point to Inner Range System

Using cable, connect the Comm port UART on the Inner Range System to the RS232 port of the Compass Point. Refer to the section 'Cable' below for details of the cable.

Step 4 – Apply Power to the Compass Point

Refer to the 'Power' section within the 'RS232 Compass Point Hardware' document. Once power is applied, the green LED should be lit continuously to show that the Compass Point is working correctly on the Compass Network.

Step 5 – Configure the InnerRange driver within Compass Point

The baudrate, device number and alarm facilities are configured using objects. Use object engineering software to view and modify the objects within the Compass Point.

Step 6 – Access Objects within the Inner Range System

Values from the Inner Range system are made available as objects on the Compass Network. Any object software that is connected to the Compass Network can access these objects.

The red LED near the RS232 port of the Compass pulses when a valid message is transmitted or received by the Compass Point.

Step 7 – Configure the Transfers within the Compass Point

Compass Point transfers are also configured using objects. Refer to the 'Transfers' section within the 'Compass Point Overview' document for more details.

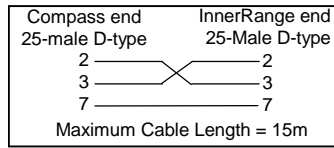
Step 8 – Configure the Alarm Handling within the Compass Point

Compass Point alarm handling is also configured using objects. Refer to the 'Alarms' section within the 'Compass Point Overview' document for more details.

Engineering Reference

Cable Specification

The cable between the Compass Point and the Inner Range UART Com Port is as follows:



Objects

When the Compass Point is powered-up the following objects are created on the Compass Network, use object software to access these objects.

Object	Label	R/W	Type
$Dn^{[1]}$	InnerRange Device	-	[InnerRange v10]
$Pp^{[2]}$	InnerRange Compass Point	-	[Compass v22\InnerRange v10]

Notes

- [1] The Device Number, n , is a number in the range 0...63.
- [2] If the Compass Point has its device number configured the Point address, p , is a number in the range 1...63. If no device number is set the Point address, p , is the Compass Point serial number in the range 1000000...99999999