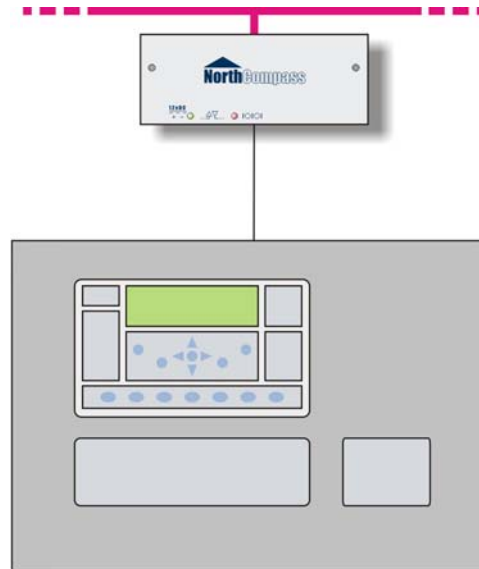


Product Engineering Guide

Compass v22 Kentec v10 RS232

Introduction

The Kentec Compass Point links the Kentec fire detection control panels to the Compass Network. The Kentec Compass Point supports the Syncro and Syncro AS panels.



Note

Protocol v5.70 or later is required. If using protocol v5.70 then the interface requires the 'printer' to be disabled from the options menu.

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 – Connect Compass Point to Kentec System

Important: Make sure the printer option on the Kentec panel is disabled before you connect to the PC Port.

Using cable, connect the Kentec to the RS232 port of the Compass Point. Refer to the section 'Cable' below for details of the cable.

Step 3 – 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 4 – Configure the Kentec driver within Compass Point

The device label and alarm destinations are configured using objects are configured using objects. Use object engineering software to view and modify the objects within the Compass Point.

Step 5 – Access Objects within the Kentec System

Values from the Kentec 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 6 – 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.

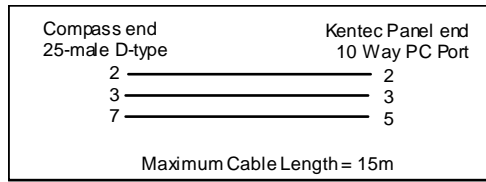
Step 7 – Configure the Alarm Handling within the Compass Point

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

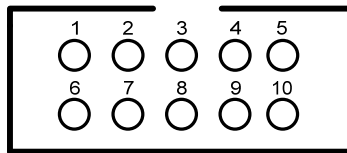
Engineering Reference

Cable Specification

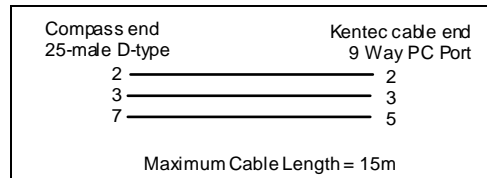
The cable between the Compass Point and the Kentec Panels PC Port is as follows:



Pin numbers for Kentec PC port, as seen looking down upon the pins mounted to the Kentec PCB:



The cable between the Compass Point and the cable supplied with the Kentec Panels 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
$Dn^{[1]}$	Kentec Device	-	[Kentec v10]
$Pp^{[3]}$	Kentec Compass Point	-	[Compass v22\Kentec 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