SYNCRO NET

Syncro AS Networking

Features

- Up to 64 nodes
- High integrity protocol
- > Fully secure against short or open circuit faults
- ▶ Simple 2-wire loop connection
- ▶ Repeaters share network connection
- Network wide test and disablement functions
- Network wide cause and effect logic
- Flexible configuration options
- > Panels configurable to act on a network events or not as required
- > Apollo & Hochiki panels supported on single network



Description

The flexibility of the Syncro System can be further enhanced by connecting control panels and repeaters together using a high integrity network.

A simple 2-wire connection between each panel allows events to be transmitted to other parts of the system to provide indication or control on a system wide basis.

Using the Loop Explorer configuration programme, up to 64 nodes can be programmed to respond in a variety of ways to any system events as required.

This flexibility extends the comprehensive cause and effect programming capability of Syncro control panels to the entire network allowing actions, test modes or disablements to be started from any point.

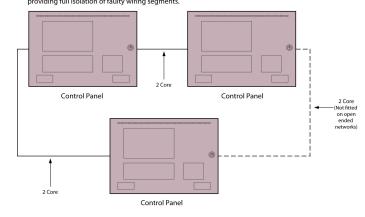
The fault tolerance of the network is such that any single open or short circuit fault will not result in any loss of information. Multiple faults are isolated and the network breaks into smaller networks which continue to work autonomously.

Specification

Panel Data Times No	stwork In	terface	1							
The panel w Click the + NOTE - if the proc Acknowledge	button r	next to is check	to the c each ne ked for	stwork pane the Status	nt types fro l icon to vie event, ther	w the even the pane	ent respon I will respo	ise optio and to th	ns e Rese	t,
Network		Event								
Panel	Fire	Evac	Alert	PreAlarm	Security	Fault	Disab	Tech	Test	Status
🖃 🏹 02 - Hochiki Panel	 Image: A state Image: A state<td>~</td><td>~</td><td> Image: A start of the start of</td><td>v</td><td> Image: A start of the start of</td><td>~</td><td>~</td><td>~</td><td>-</td>	~	~	 Image: A start of the start of	v	 Image: A start of the start of	~	~	~	-
Process	~	~	~	~	~	~	~	~	~	~
🔷 Display	~	~	~	~	~	~	~	~	~	~
♦ Log	~	~	~	~	~	~	~	~	~	~
Print	~	~	~	~	~	~	~	~	~	~
♦ Buzz	-	~	~	~	~	~	~	~	~	~
🖃 🍙 03 - Apollo AS	~	~	~	~	~		~	~	~	~
Process	~	~	-	~	~		~	~	~	~
🔷 Display	~	~	~	~	~		~	~	~	~
♦ Log	~	~	~	~	~	~	~	~	~	~
Print	~	~	~	~	-	~	~	~	~	~
🔷 Buzz	~	~	~	~	-	~	~	~	~	~
🕀 🏹 04 - Hochiki AS	~	~	~	~	~	~	~	~	~	~

Flexible network configuration options using simple to follow PC configuration programme.

Two core loop wiring ensures network integrity by providing full isolation of faulty wiring segments.



Two core loop wiring ensures network integrity by providing full isolation of faulty wiring segments.



Specification				
Product code	K555			
Protocol	RS485			
Connection	Two wire loop			
Current consumption	40mA			
Integrity	Full isolation of faulty nodes or wiring segments			
Indicators	Data in and data out communications status			
Cable length	tres to adjacent nodes			
Cable type	Belden 9271, Belden 9860, FP200 Gold			
Compatible panels	Syncro AS (required for networking)			



Datasheet DS23/07/24 Rev.02

For further information visit www.kentec.co.uk Kentec Electronics Ltd. reserves the right to alter the specification of its products from time to time without notice. Although every effort has been made to ensure the accuracy of the information contained in this document it is not warranted or represented by Kentec Electronics Ltd. to be a complete and up-to-date description.