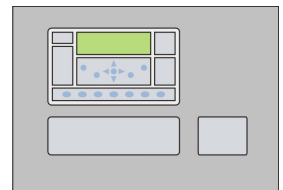


# The Kentec Driver

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The Kentec driver connects to the Kentec Syncro range of fire detection panels. Available for Commander and ObSys.

This document relates to Kentec driver version 1.1 to 1.3

Please read the *Commander Manual* or *ObSys Manual* alongside this document, available from [www.northbt.com](http://www.northbt.com)

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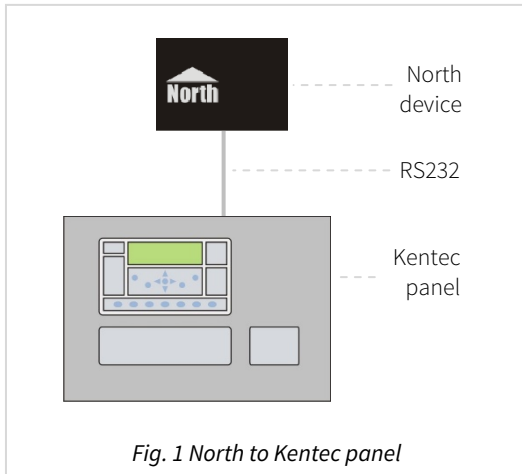
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# Compatibility with the Kentec System

The Kentec driver allows North to interface with a Kentec Syncro fire detection system.

The driver connects to a Kentec fire control panel (Fig. 1), and can communicate with a network of up to 64 panels.



## Equipment

Kentec Electronics fire control panels compatible with the driver include:

- Syncro series
- Syncro AS series

Both Apollo and Hochiki loop devices are supported.

## Values

Depending on the series of fire control panel, the driver can typically access the following values:

- Panel information
- Reset panel
- Sounders
- Evacuate
- Time
- System state
- Panel state
- Loop state
- Loop device state
- Sub-address state
- Zone state

States for fire, pre-alarm, fault, and isolation conditions are available.

Fire control panels can send alarms to the Kentec driver.

## Prerequisites

The Kentec panel should be fitted with software version 5.80 or later.

In order for the Syncro panel to send heartbeats and some cleared events, the connected panel should have the 'Graphics System' option enabled. Enable this option using the Kentec Loop Explorer software; from the Panel Data tab.

Kentec recommend that a panel printer should not be used at the same time as the driver. The printer can be disabled from the panel options menu.

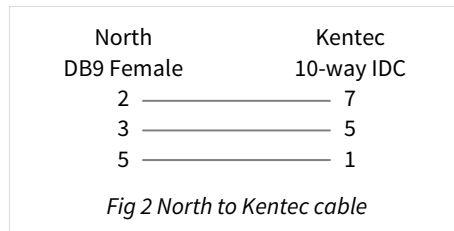
On a PC, an optical RS232 isolator should be used. Without an isolator, the panel may indicate an earth fault condition. Alternatively, earth faults can be disabled from the panel.

# Using the Driver

On ObSys and Commander, the Kentec driver is pre-installed. On all of these North devices, you can use the driver to create an interface to Kentec. Once started, you will need to set up the driver before it can communicate with the Kentec system.

## Making the Cable

Using the RS232 cable specification (Fig. 2), connect the North device COM port to the Kentec Syncro panel PC port. Connector types at each end of the cable are shown.



The maximum RS232 cable length is 15m.

Cables are available from North, order code CABLE/KENTEC.

## Starting the Interface

- 📖 To start an interface using the Kentec driver, follow these steps:
  - **Start Engineering** your North device using ObSys
  - Navigate to **Configuration, Interfaces**, and set an unused **Interface** to 'Kentec' to start the particular interface
  - Navigate to the top-level of your North device and re-scan it

The driver setup object (Mc), labelled **Kentec Setup**, should now be available. If this object is not available, check an interface licence is available and the driver is installed.

## Setting up the Driver

- 📖 To set up the driver, follow these steps:
  - Navigate to the **Kentec Setup** object (Mc). For example, if you started interface 1 with the driver earlier, then the object reference will be 'M1'
  - Set **COM Port** (RS.COM) to select the serial port number on the North device the Syncro panel is connected to.

## Checking Communications

The **Kentec Setup** object contains **Comms Online** (DS) and **Panel Sending Heartbeats** (HB) objects. These will change accordingly when communications to the panel is established, and when the panel starts sending heartbeat messages.

# Alarms

When the Kentec system reports an event to the driver, the driver sends a North-format alarm to the device's alarm processing.

## Format

North-format alarms contain six text fields. The Kentec driver places the following information into these fields:

**System** – copied from System Label object (DL) within driver setup

**Point** – see Point Field section below

**Condition** – see Condition Field section below

**Priority** – see Priority Field section below

**Date & Time** – from connected panel or North device. Selected by the Alarm text object (AT) within driver setup.

## Examples

System	Point	Condition	Priority	Date	Time
Kentec System	Panel 1 Loop 1 Dev 2 Zone 5	Isolated Device	2	19/03/13	14:29:48
Kentec System	Panel 1 Loop 1 Dev 2 Zone 5	Isolated Device Cleared	2	19/03/13	14:35:12
Kentec System	Panel 12 Loop 1 Dev 12 Zone 12	Internal Fault	3	19/03/12	14:26:26
Kentec System	Panel 2 Zone 2	Monitored Output Fault	3	19/03/12	14:26:26
Kentec System	Panel 2 Loop 1 Dev 1 Zone 16	Fire	1	10/03/13	13:06:59
Kentec System	Panel 2	Reset	3	10/03/13	13:07:35
Kentec System	Panel 2 Loop 1 Dev 1 Zone 16	Fire Cleared	1	10/03/13	13:07:35
Kentec System	Panel 1 Loop 1 Dev 3.14	Input Activated	3	06/02/13	10:12:43
Kentec System	Panel 1 Loop 1 Dev 3.14	Input Activated Cleared	3	06/02/13	10:16:19
Kentec System	Panel 1	Buzzer Silenced	4	06/02/13	10:16:19

## Point Field

Selected by the Alarm Text object (AT) within driver setup.

If the panel/loop/device reference is selected, the format can be:

System

Panel *a*

Panel *a* Loop *b*

Panel *a* Loop *b* Dev *c.c* Zone *d*

System Zone *d*

Otherwise, this field contains:

*panel label + device location* from the panel (when available).

## Condition Field

The following alarm conditions can be sent by the driver. When the panel clears an alarm, then 'Cleared' is appended to the field.

Alarms Re-sounding	Fire Drill Active	Output 1 Closed Circuit
Alarms Silenced	General Isolation	Output 1 Open Circuit
All Sounders Isolated	Heat Element Fault	Output 2 Closed Circuit
Aux 24V Fuse Fault	I/O Module Not Fitted	Output 2 Open Circuit
Battery Disconnected	Incorrect Loop Protocol	Output Closed
Battery Voltage High	Input Activated	Output Open
Battery Voltage Low	Input Closed Circuit	Panel Input Isolated
Buzzer Isolated	Input Open Circuit	Panel Output Isolated
Buzzer Silenced	Internal Fault	Power Fail
C&E Isolated	Isolated Device	Pre-Alarm
Calibration Error	Isolated Immediate Output	Printer Fault
Calibration Failed	Isolated Loop	Printer Isolated
Cause/Effect Active	Isolated Zone	RAM Fault
Charger Fault	Loop Closed Circuit	Reset
Communications Lost	Loop Not Fitted	ROM Fault
Communications Regained	Loop Open Circuit	Self Test Fail
Day/Night Isolation	Loop Wiring Fault	Slave Closed Circuit
Detector Removed	Mains Fail	Slave Line 1 Fault
Device Battery Low	Maintenance Fault	Slave Line 2 Fault
Device Data Fault	Modem Fault	Slave Open Circuit
Device External Interference	Module PSU Fault	System Initialising
Device Initialising	Monitored Output Fault	Test Mode
Device Isolator Open	Network Comms Fault	Unexpected Device
Device Missing	Network Comms Timeout	Unexpected I/O Module
Device Tamper Fault	Network Open/Closed Circuit	Unexpected Loop
Double Address	OEM Device Mismatch	Unknown Device
Earth Fault	Optical & Heat Element Fault	Wrong Device Type
Earth Fault Isolated	Optical Element Fault	

## Priority Field

The priority number depends on the event type from the panel:

- 1 – fire and evacuate events
- 2 – pre-alarm, security, isolation, and technical events
- 3 – alert, fault, test, and cause & effect events
- 4 – status events

# Object Specifications

Once an interface is started, one or more extra objects become available within the top-level object of the device. As with all North objects, each of these extra objects may contain sub-objects, (and each of these may contain sub-objects, and so on) - the whole object structure being a multi-layer hierarchy. It is possible to navigate around the objects using the ObSys Engineering Software.

Each object is specified below, along with its sub-objects.

## Example Object Reference

An example of a reference to an object in the same device: the Kentec System (S1) contains Panel 1 (P1), which contains Loop 2 (L2), which has Device 22 (D22), which contains an alarm state (C). Therefore, the complete object reference will be 'S1.P1.L2.D22.C'.

An example of a reference to an object in a different device: the IP network object (IP) contains Default Commander object (CDIP), which contains the object above (S1.P1.L2.D22.C) – therefore the complete object reference is 'IP.CDIP.S1.P1.L2.D22.C'.

## Device Top-Level Objects

When an interface is started using the Kentec driver, the objects below become available within the top-level object of the device. For example, if Interface 1 is started, then the object with references 'M1' and 'S1' become available.

Description	Reference	Type
<b>Kentec Setup</b> Set up the Kentec driver, started on interface <i>c</i> ( <i>c</i> is the interface number)	Mc	Fixed Container: On the Commander platform this will be <i>[CDM v20\Kentec v13]</i> On the ObSys platforms this will be <i>[OSM v20\Kentec v13]</i>
<b>Kentec System</b> Access Kentec system connected to interface <i>c</i> ( <i>c</i> is the interface number)	Sc	Variable Container: <i>[Kentec v13]</i>



# Kentec Driver Setup

Object Type: [OSM v20\Kentec v13]

Object Type: [CDM v20\Kentec v13]

Object Type: [OSM v20\Kentec v12]

Object Type: [CDM v20\Kentec v12]

Object Type: [OSM v20\Kentec v11]

The Kentec driver contains the following objects:

Description	Reference	Type
<b>COM Port</b>	RS.COM	Obj\Num: 1...8; Adjustable
<b>System Label</b> Label displayed when scanning the system	DL	Obj\Text: 20 Chars; Adjustable
<b>Maximum Panel Address</b> Set this object to the highest panel address on the network. Available in driver version 1.3 and later	MA	Obj\Num: 1...64; Adjustable
<b>Comms Online</b> Indicates whether communication has been established with the panel	DS	Obj\NoYes
<b>Panel Sending Heartbeats</b> Indicates whether heartbeat signals are being received from the Kentec. Available in driver version 1.2 and later	HB	Obj\NoYes If 'No' indicated, check panel configuration (see <a href="#">Prerequisites</a> section)
<b>Event Storage Available</b> Each event from the system must be remembered by the driver. <b>If no storage is available for a new event, the driver will not be able to remember it.</b> Available in driver version 1.2 and later	SC	Obj\Num
<b>Alarm Text</b> Selects source of the alarm message condition and date fields. Available in driver version 1.2 and later	AT	Obj\Enum: 0...3; Adjustable See note 1
<b>Reset Interface</b> Clears the internal database and re-establishes communication with the Kentec system. Available in driver version 1.2 and later	RST	Obj\NoYes; Adjustable
<b>Interface Initialized</b> Indicates if the driver has finished requesting the current state of all connected panels. Available in driver version 1.3 and later	IS	Obj\NoYes

## Notes

- The Alarm Text object selects the source of the alarm message condition and date/time fields. Condition text can either be in a fixed format containing the panel/loop/device reference, or contain the location text from the Syncro panel. Refer to the [Alarms](#) section for more information.

Value	Condition Text Source	Date/Time Source
0	Panel/Loop/Device number	Panel
1	Panel/Loop/Device number	North device
2	Use location text from panel	Panel
3	Use location text from panel	North device

For cleared events, the time is always from the North device.

# Kentec System

Object Type: [Kentec v13]

Object Type: [Kentec v12]

Object Type: [Kentec v11\Net]

The Kentec system is a network of Kentec fire detection panels. It contains objects to view the status of the whole system (P) and objects to access information from each connected panel (Px).

The Kentec network will contain one or more panels.

Description	Reference	Type
<b>Zone &amp; System Summary</b> Not available in driver version 1.1 and earlier.	P	Fixed container: [Kentec v13\Panel]
<b>Panel Label</b> Panel Label is the name of panel x. x can be in the range 1...64	Px	Fixed container, can be one of the following types: Repeater panel [Kentec v13\Panel0] One loop panel [Kentec v13\Panel1] Two loop panel [Kentec v13\Panel2] Four loop panel [Kentec v13\Panel4]  Note: an eight loop panel is presented as two panels with four loops

## Zone and Summary Information

Object Type: *[Kentec v13\Panel]*

Object Type: *[Kentec v12\Panel]*

The Kentec Zone and System Summary object contains the zones and network-wide status for the Kentec system.

Description	Reference	Type
<b>System Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>System OK</b>	C0	Obj\NoYes
<b>Isolations</b>	C1	Obj\NoYes
<b>In Fault</b>	C2	Obj\NoYes
<b>In Pre-Alarm</b>	C3	Obj\NoYes
<b>In Fire</b>	C4	Obj\NoYes
<b>Zone x</b> The zone number, x, is in the range 0..500	Zx	Fixed container: <i>[Kentec v13\Zone]</i>

# Repeater Panel

Object Type: [Kentec v13\Panel0]

Object Type: [Kentec v12\Panel0]

Object Type: [Kentec v11\Panel0]

A Kentec Syncro repeater panel contains the following objects:

Description	Reference	Type
<b>Panel Label</b>	L	Obj\Text: 15 chars.
<b>Information</b> Panel-specific information. Not available in driver version 1.1 and earlier.	I	Fixed container: [Kentec v13\Info]
<b>Time</b> The panel's own time and occupancy periods. Not available in driver version 1.1 and earlier.	T	Fixed container: [Kentec v13\Time]
<b>Commands</b> Contains objects for setting the panel into evacuate, silencing or enabling sounders and resetting the panel.	A	Fixed container: [Kentec v13\Actions]
<b>Panel Alarm State</b>	C	Obj\Enum: 0...4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Panel OK</b>	C0	Obj\NoYes
<b>Isolations</b>	C1	Obj\NoYes
<b>Faults</b>	C2	Obj\NoYes
<b>Pre-Alarm</b>	C3	Obj\NoYes
<b>Fire</b>	C4	Obj\NoYes

# Kentec One-Loop Panel

Object Type: [Kentec v13\Panel1]

Object Type: [Kentec v12\Panel1]

Object Type: [Kentec v11\Panel1]

A Kentec Syncro single loop panel contains the following objects:

Description	Reference	Type
<b>Panel Label</b>	L	Obj\Text: 15 chars.
<b>Information</b> Panel-specific information. Not available in driver version 1.1 and earlier.	I	Fixed container: [Kentec v13\Info]
<b>Time</b> The panel's own time and occupancy periods. Not available in driver version 1.1 and earlier.	T	Fixed container: [Kentec v13\Time]
<b>Commands</b> Contains objects for setting the panel into evacuate, silencing or enabling sounders and resetting the panel.	A	Fixed container: [Kentec v13\Actions]
<b>Panel Alarm State</b>	C	Obj\Enum: 0...4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Panel OK</b>	C0	Obj\NoYes
<b>Isolations</b>	C1	Obj\NoYes
<b>Faults</b>	C2	Obj\NoYes
<b>Pre-Alarm</b>	C3	Obj\NoYes
<b>Fire</b>	C4	Obj\NoYes
<b>Loop Label</b> The <i>loop label</i> is the loop's label as configured in Kentec. The loop number, x, is in the range 0...1	Lx	Fixed container: [Kentec v13\Loop]

# Kentec Two-Loop Panel

Object Type: [Kentec v13\Panel2]

Object Type: [Kentec v12\Panel2]

Object Type: [Kentec v11\Panel2]

A Kentec Syncro two loop Panel contains the following objects:

Description	Reference	Type
<b>Panel Label</b>	L	Obj\Text: 15 chars.
<b>Information</b> Panel-specific information. Not available in driver version 1.1 and earlier.	I	Fixed container: [Kentec v13\Info]
<b>Time</b> The panel's own time and occupancy periods. Not available in driver version 1.1 and earlier.	T	Fixed container: [Kentec v13\Time]
<b>Commands</b> Contains objects for setting the panel into evacuate, silencing or enabling sounders and resetting the panel.	A	Fixed container: [Kentec v13\Actions]
<b>Panel Alarm State</b>	C	Obj\Enum: 0...4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Panel OK</b>	C0	Obj\NoYes
<b>Isolations</b>	C1	Obj\NoYes
<b>Faults</b>	C2	Obj\NoYes
<b>Pre-Alarm</b>	C3	Obj\NoYes
<b>Fire</b>	C4	Obj\NoYes
<b>Loop Label</b> The <i>loop label</i> is the loop's label as configured in Kentec. The loop number, x, is in the range 0...2	Lx	Fixed container: [Kentec v13\Loop]

# Kentec Four-Loop Panel

Object Type: [Kentec v13\Panel4]

Object Type: [Kentec v12\Panel4]

Object Type: [Kentec v11\Panel4]

A Kentec Syncro four loop panel contains the following objects:

Description	Reference	Type
<b>Panel Label</b>	L	Obj\Text: 15 chars.
<b>Information</b> Panel-specific information Not available in driver version 1.1 and earlier.	I	Fixed container: [Kentec v13\Info]
<b>Time</b> The panel's own time and occupancy periods Not available in driver version 1.1 and earlier.	T	Fixed container: [Kentec v13\Time]
<b>Commands</b> Contains objects for setting the panel into evacuate, silencing or enabling sounders and resetting the panel.	A	Fixed container: [Kentec v13\Actions]
<b>Panel Alarm State</b>	C	Obj\Enum: 0...4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Panel OK</b>	C0	Obj\NoYes
<b>Isolations</b>	C1	Obj\NoYes
<b>Faults</b>	C2	Obj\NoYes
<b>Pre-Alarm</b>	C3	Obj\NoYes
<b>Fire</b>	C4	Obj\NoYes
<b>Loop Label</b> The <i>loop label</i> is the loop's label as configured in Kentec. The loop number, x, is in the range 0...4.	Lx	Fixed container: [Kentec v13\Loop]

# Zone

Object Type: [Kentec v13\Zone]

Object Type: [Kentec v12\Zone]

Object Type: [Kentec v11\Zone]

A Kentec zone contains the following objects:

Description	Reference	Type
<b>Zone Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Zone OK</b>	C0	Obj\NoYes
<b>Zone Devices Isolated</b> Indicates whether devices in this zone are isolated. Can be written to in order to isolate or de-isolate a zone Not available in driver version 1.1 and earlier.	C1	Obj\NoYes; Adjustable
<b>Zone Devices in Fault</b>	C2	Obj\NoYes
<b>Zone Devices in Pre-Alarm</b>	C3	Obj\NoYes
<b>Zone Devices in Fire</b>	C4	Obj\NoYes



# Information

Object Type: *[Kentec v13\Info]*

Object Type: *[Kentec v12\Info]*

The panel information object contains the following objects:

Description	Reference	Type
<b>Panel Label</b>	L	Obj\Text: 15 chars.
<b>Supplier Label</b>	SL	Obj\Text
<b>Software Version</b> The software version of the Kentec panel	SV	Obj\Text

# Time

Object Type: [Kentec v13\Time]

Object Type: [Kentec v12\Time]

The Kentec time object contains the following objects:

Description	Reference	Type
<b>Set Panel Date &amp; Time</b>	TIME	Obj\DateTime; Adjustable only
<b>Sunday Occupation</b>	D1	Obj\Times; 1 Period
<b>Monday Occupation</b>	D2	Obj\Times; 1 Period
<b>Tuesday Occupation</b>	D3	Obj\Times; 1 Period
<b>Wednesday Occupation</b>	D4	Obj\Times; 1 Period
<b>Thursday Occupation</b>	D5	Obj\Times; 1 Period
<b>Friday Occupation</b>	D6	Obj\Times; 1 Period
<b>Saturday Occupation</b>	D7	Obj\Times; 1 Period

# Commands

Object Type: [Kentec v13\Actions]

Object Type: [Kentec v12\Actions]

Object Type: [Kentec v11\Actions]

The Kentec panel commands object contains the following objects:

Description	Reference	Type
<b>Reset Panel</b> Performs a reset on the panel	R	Obj\NoYes; Adjustable only
<b>Sounders</b> Disables or enables sounders	S	Obj\NoYes; Adjustable
<b>Evacuate</b> Sets the panel into evacuation mode	E	Obj\NoYes; Adjustable only

# Loop

Object Type: [Kentec v13\Loop]

Object Type: [Kentec v12\Loop]

Object Type: [Kentec v11\Loop]

A Kentec panel loop contains the following objects. Loop 0 is used to reference on-panel I/O.

Description	Reference	Type
<b>Label</b> When the panel is configured with a loop offset, this indicates the actual loop number. Not available in driver version 1.1 and earlier.	L	Obj\Text
<b>Loop Alarm State</b>	C	Obj\Enum: 0...4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Loop OK</b>	C0	Obj\NoYes
<b>Loop Devices Isolated</b>	C1	Obj\NoYes
<b>Loop Devices in Fault</b>	C2	Obj\NoYes
<b>Loop Devices in Pre-Alarm</b>	C3	Obj\NoYes
<b>Loop Devices in Fire</b>	C4	Obj\NoYes
<b>Device x</b> The device address, x, is in the range 0...254. Hochiki devices are in the range 0...126, with addressable bases using device+127. Apollo devices in the range 0...125, with addressable bases using device+126. Loop 0 devices are on-panel I/O boards, with device (board) numbers in the range 1...32	Dx	Variable container, can be one of the following: <b>Apollo devices</b> S90 Shop Monitor Unit [Kentec v13\Apollo\0] XP Loop Sounder [Kentec v13\Apollo\1] S90 3 Channel Output [Kentec v13\Apollo\2] S90 Ionisation Unit [Kentec v13\Apollo\3] S90 Zone Monitor Unit [Kentec v13\Apollo\4] S90 Photoelectric Unit [Kentec v13\Apollo\5] S90 Heat Sensor [Kentec v13\Apollo\6] S90 Call Point [Kentec v13\Apollo\7] S90 1 Channel Output Unit [Kentec v13\Apollo\34] S90 Control Unit Monitor [Kentec v13\Apollo\36] S90 Call Point Monitor [Kentec v13\Apollo\39] S90 Sounder CCT Module [Kentec v13\Apollo\65] S90 Switch Monitor Unit [Kentec v13\Apollo\66] S90 Sounder Control Unit [Kentec v13\Apollo\129] XP 3 Channel Input Output Unit [Kentec v13\Apollo\130] XP Ionisation Unit [Kentec v13\Apollo\131] XP Zone Monitor Units [Kentec v13\Apollo\132] XP Photoelectric Unit [Kentec v13\Apollo\133] XP Heat Sensor Unit [Kentec v13\Apollo\134] XP Switch Monitor Unit [Kentec v13\Apollo\140] XP Intelligent Beam Unit [Kentec v13\Apollo\141] XP High Temperature Sensor [Kentec v13\Apollo\142] XP Flame Detector [Kentec v13\Apollo\149] XP Multi Photo Unit [Kentec v13\Apollo\157] XP Call Point [Kentec v13\Apollo\159] XP Output Unit [Kentec v13\Apollo\162] D Ionisation Unit [Kentec v13\Apollo\163] D Photoelectric Unit [Kentec v13\Apollo\165] D Heat Sensor Unit [Kentec v13\Apollo\166] D Gaseous Fire Sensor [Kentec v13\Apollo\171] XP Switch Monitor Plus [Kentec v13\Apollo\172] D SBB Base Sounder [Kentec v13\Apollo\177] D Multi Photo Unit [Kentec v13\Apollo\181] D Dual Sensor [Kentec v13\Apollo\189] D Call Point [Kentec v13\Apollo\191]

Description	Reference	Type
		XP Radio Sensor [Kentec v13\Apollo\196]
		D Gaseous Fire Sensor [Kentec v13\Apollo\197]
		D Gaseous Fire Sensor [Kentec v13\Apollo\204]
		D Gaseous Fire Sensor [Kentec v13\Apollo\223]
		<b>Hochiki Devices</b>
		Call Point [Kentec v13\Hochiki\0]
		Base Module [Kentec v13\Hochiki\18]
		Base Master [Kentec v13\Hochiki\20]
		Mini Zone [Kentec v13\Hochiki\21]
		Loops Controller [Kentec v13\Hochiki\25]
		Switch Module [Kentec v13\Hochiki\57]
		Loop Beacon [Kentec v13\Hochiki\65]
		ADR Remote IND [Kentec v13\Hochiki\66]
		Loop Sounder [Kentec v13\Hochiki\94]
		Bell Module [Kentec v13\Hochiki\120]
		Multi IO Module [Kentec v13\Hochiki\122]
		Output Module [Kentec v13\Hochiki\124]
		Single IO Module [Kentec v13\Hochiki\125]
		POM Output Module [Kentec v13\Hochiki\126]
		Photoelectric [Kentec v13\Hochiki\136]
		Heat Sensor [Kentec v13\Hochiki\152]
		Heat Sensor ACB [Kentec v13\Hochiki\153]
		Ionisation Unit [Kentec v13\Hochiki\168]
		Multi Sensor [Kentec v13\Hochiki\216]
		<b>Loop 0 Devices</b>
		I/O Board [Kentec v13\IOBoard]

# S90 Shop Monitor Unit

Object Type: *[Kentec v13\Apollo\0]*

Object Type: *[Kentec v12\Apollo\0]*

Object Type: *[Kentec v11\Apollo\0]*

The Apollo S90 Shop Monitor Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0...4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates if this device or sub-addresses are isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes
<b>Sub-address x</b> The sub-address number, x, is in the range 1...3	Sx	Fixed Container: <i>[Kentec v13\SubAddr]</i>

# XP Loop Sounder

Object Type: [Kentec v13\Apollo\1]

Object Type: [Kentec v12\Apollo\1]

Object Type: [Kentec v11\Apollo\1]

The Apollo XP Loop Sounder contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

## S90 3 Channel Output

Object Type: *[Kentec v13\Apollo\2]*

Object Type: *[Kentec v12\Apollo\2]*

Object Type: *[Kentec v11\Apollo\2]*

The Apollo S90 3 Channel Output contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0...4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates if this device or sub-addresses are isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes
<b>Sub-address x</b> The sub-address number, x, is in the range 1...6	Sx	Fixed Container: <i>[Kentec v13\SubAddr]</i>



## S90 Ionisation Unit

Object Type: [Kentec v13\Apollo\3]

Object Type: [Kentec v12\Apollo\3]

Object Type: [Kentec v11\Apollo\3]

The Apollo S90 Ionisation Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# S90 Zone Monitor Unit

Object Type: [Kentec v13\Apollo\4]

Object Type: [Kentec v12\Apollo\4]

Object Type: [Kentec v11\Apollo\4]

The Apollo S90 Zone Monitor Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# S90 Photoelectric Unit

Object Type: [Kentec v13\Apollo\5]

Object Type: [Kentec v12\Apollo\5]

Object Type: [Kentec v11\Apollo\5]

The Apollo S90 Photoelectric Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# S90 Heat Sensor

Object Type: [Kentec v13\Apollo\6]

Object Type: [Kentec v12\Apollo\6]

Object Type: [Kentec v11\Apollo\6]

The Apollo S90 Heat Sensor contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

## S90 Call Point

Object Type: [Kentec v13\Apollo\7]

Object Type: [Kentec v12\Apollo\7]

Object Type: [Kentec v11\Apollo\7]

The Apollo S90 Call Point contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# S90 1 Channel Output Unit

Object Type: *[Kentec v13\Apollo\34]*

Object Type: *[Kentec v12\Apollo\34]*

Object Type: *[Kentec v11\Apollo\34]*

The Apollo S90 1 Channel Output Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates if this device or sub-addresses are isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes
<b>Sub-address x</b> The sub-address number, x, is in the range 1..2	Sx	Fixed Container: <i>[Kentec v13\SubAddr]</i>

# S90 Control Unit Monitor

Object Type: [Kentec v13\Apollo\36]

Object Type: [Kentec v12\Apollo\36]

Object Type: [Kentec v11\Apollo\36]

The Apollo S90 Control Unit Monitor contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# S90 Call Point Monitor

Object Type: [Kentec v13\Apollo\39]

Object Type: [Kentec v12\Apollo\39]

Object Type: [Kentec v11\Apollo\39]

The Apollo S90 Call Point Monitor contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes



## S90 Sounder CCT Controller

Object Type: [Kentec v13\Apollo\65]

Object Type: [Kentec v12\Apollo\65]

Object Type: [Kentec v11\Apollo\65]

The Apollo S90 Sounder CCT Controller contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# S90 Switch Monitor Unit

Object Type: *[Kentec v13\Apollo\66]*

Object Type: *[Kentec v12\Apollo\66]*

Object Type: *[Kentec v11\Apollo\66]*

The Apollo S90 Switch Monitor Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates if this device or sub-address is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes
<b>Sub-address 1</b>	S1	Fixed Container: <i>[Kentec v13\SubAddr]</i>

# S90 Sounder Control Unit

Object Type: [Kentec v13\Apollo\129]

Object Type: [Kentec v12\Apollo\129]

Object Type: [Kentec v11\Apollo\129]

The Apollo S90 Sounder Control Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

## XP 3 Channel Input Output Unit

Object Type: [Kentec v13\Apollo\130]

Object Type: [Kentec v12\Apollo\130]

Object Type: [Kentec v11\Apollo\130]

The Apollo XP 3 Channel Input Output Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

## XP Ionisation Unit

Object Type: [Kentec v13\Apollo\131]

Object Type: [Kentec v12\Apollo\131]

Object Type: [Kentec v11\Apollo\131]

The Apollo XP Ionisation Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

## XP Zone Monitor Units

Object Type: [Kentec v13\Apollo\132]

Object Type: [Kentec v12\Apollo\132]

Object Type: [Kentec v11\Apollo\132]

The Apollo XP Zone Monitor Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# XP Photoelectric Unit

Object Type: [Kentec v13\Apollo\133]

Object Type: [Kentec v12\Apollo\133]

Object Type: [Kentec v11\Apollo\133]

The Apollo XP Photoelectric Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# XP Heat Sensor Unit

Object Type: [Kentec v13\Apollo\134]

Object Type: [Kentec v12\Apollo\134]

Object Type: [Kentec v11\Apollo\134]

The Apollo XP Heat Sensor Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes



# XP Switch Monitor Unit

Object Type: [Kentec v13\Apollo\140]

Object Type: [Kentec v12\Apollo\140]

Object Type: [Kentec v11\Apollo\140]

The Apollo XP Switch Monitor Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates if this device or sub-address is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes
<b>Sub-address 1</b>	S1	Fixed Container: [Kentec v13\SubAddr]

# XP Intelligent Beam Unit

Object Type: [Kentec v13\Apollo\141]

Object Type: [Kentec v12\Apollo\141]

Object Type: [Kentec v11\Apollo\141]

The Apollo XP Intelligent Beam contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0...4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# XP High Temperature Sensor

Object Type: [Kentec v13\Apollo\142]

Object Type: [Kentec v12\Apollo\142]

Object Type: [Kentec v11\Apollo\142]

The Apollo XP High Temperature Sensor contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# XP Flame Detector

Object Type: [Kentec v13\Apollo\149]

Object Type: [Kentec v12\Apollo\149]

Object Type: [Kentec v11\Apollo\149]

The Apollo XP Flame Detector contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# XP Multi Photo Unit

Object Type: [Kentec v13\Apollo\157]

Object Type: [Kentec v12\Apollo\157]

Object Type: [Kentec v11\Apollo\157]

The Apollo XP Multi Photo Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# XP Call Point

Object Type: [Kentec v13\Apollo\159]

Object Type: [Kentec v12\Apollo\159]

Object Type: [Kentec v11\Apollo\159]

The Apollo XP Call Point contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# XP Output Unit

Object Type: [Kentec v13\Apollo\162]

Object Type: [Kentec v12\Apollo\162]

Object Type: [Kentec v11\Apollo\162]

The Apollo XP Output Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates if this device or sub-address is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes
<b>Sub-address 1</b>	S1	Fixed Container: [Kentec v13\SubAddr]

## D Ionisation Unit

Object Type: [Kentec v13\Apollo\163]

Object Type: [Kentec v12\Apollo\163]

Object Type: [Kentec v11\Apollo\163]

The Apollo D Ionisation Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes



## D Photoelectric Unit

Object Type: [Kentec v13\Apollo\165]

Object Type: [Kentec v12\Apollo\165]

Object Type: [Kentec v11\Apollo\165]

The Apollo D Photoelectric Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

## D Heat Sensor Unit

Object Type: [Kentec v13\Apollo\166]

Object Type: [Kentec v12\Apollo\166]

Object Type: [Kentec v11\Apollo\166]

The Apollo D Heat Sensor Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

## D Gaseous Fire Sensor

Object Type: [Kentec v13\Apollo\171]

Object Type: [Kentec v12\Apollo\171]

Object Type: [Kentec v11\Apollo\171]

The Apollo D Gaseous Fire Sensor contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# XP Switch Monitor Plus

Object Type: [Kentec v13\Apollo\172]

Object Type: [Kentec v12\Apollo\172]

Object Type: [Kentec v11\Apollo\172]

The Apollo XP Switch Monitor Plus contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates if this device or sub-addresses are isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes
<b>Sub-address 1</b>	S1	Fixed Container: [Kentec v13\SubAddr]
<b>Sub-address 2</b>	S2	Fixed Container: [Kentec v13\SubAddr]

## D SBB Base Sounder

Object Type: *[Kentec v13\Apollo\177]*

Object Type: *[Kentec v12\Apollo\177]*

Object Type: *[Kentec v11\Apollo\177]*

The D SBB Base Sounder contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates if this device or sub-address is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes
<b>Sub-address 1</b>	S1	Fixed Container: <i>[Kentec v13\SubAddr]</i>

## D Multi Photo Unit

Object Type: [Kentec v13\Apollo\181]

Object Type: [Kentec v12\Apollo\181]

Object Type: [Kentec v11\Apollo\181]

The Multi Photo Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

## D Dual Sensor

Object Type: [Kentec v13\Apollo\189]

Object Type: [Kentec v12\Apollo\189]

Object Type: [Kentec v11\Apollo\189]

The D Dual Sensor contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

## D Call Point

Object Type: [Kentec v13\Apollo\191]

Object Type: [Kentec v12\Apollo\191]

Object Type: [Kentec v11\Apollo\191]

The D Call Point contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes



# XP Radio Sensor

Object Type: [Kentec v13\Apollo\196]

Object Type: [Kentec v12\Apollo\196]

Object Type: [Kentec v11\Apollo\196]

The Apollo XP Radio Sensor contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# XP Beam

Object Type: [Kentec v13\Apollo\197]

Object Type: [Kentec v12\Apollo\197]

Object Type: [Kentec v11\Apollo\197]

The Apollo XP Beam contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# XP Mini Switch Monitor

Object Type: [Kentec v13\Apollo\204]

Object Type: [Kentec v12\Apollo\204]

Object Type: [Kentec v11\Apollo\204]

The Apollo XP Mini Switch Monitor contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates if this device or sub-address is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes
<b>Sub-address 1</b>	S1	Fixed Container: [Kentec v13\SubAddr]

# XP Mini Switch Interrupt

Object Type: [Kentec v13\Apollo\223]

Object Type: [Kentec v12\Apollo\223]

Object Type: [Kentec v11\Apollo\223]

The Apollo XP Mini Switch Interrupt contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates if this device or sub-address is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes
<b>Sub Address 1</b>	S1	Fixed Container: [Kentec v13\SubAddr]

# Hochiki Call Point

Object Type: [Kentec v13\Hochiki\0]

Object Type: [Kentec v12\Hochiki\0]

Object Type: [Kentec v11\Hochiki\0]

The Hochiki Call Point contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# Hochiki Base Module

Object Type: [Kentec v13\Hochiki\18]

Object Type: [Kentec v12\Hochiki\18]

Object Type: [Kentec v11\Hochiki\18]

The Hochiki Base Module contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# Hochiki Base Master

Object Type: [Kentec v13\Hochiki\20]

Object Type: [Kentec v12\Hochiki\20]

Object Type: [Kentec v11\Hochiki\20]

The Hochiki Base Master contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes

# Hochiki Mini Zone

Object Type: [Kentec v13\Hochiki\21]

Object Type: [Kentec v12\Hochiki\21]

Object Type: [Kentec v11\Hochiki\21]

The Hochiki Base Module contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes



# Hochiki Loops Controller

Object Type: [Kentec v13\Hochiki\25]

Object Type: [Kentec v12\Hochiki\25]

Object Type: [Kentec v11\Hochiki\25]

The Hochiki Loops Controller contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# Hochiki Switch Module

Object Type: [Kentec v13\Hochiki\57]

Object Type: [Kentec v12\Hochiki\57]

Object Type: [Kentec v11\Hochiki\57]

The Hochiki Switch Module contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates if this device or sub-addresses are isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes
<b>Sub-address x</b> x is in the range 1..2	Sx	Fixed Container: [Kentec v13\SubAddr]

# Hochiki Loop Beacon

Object Type: [Kentec v13\Hochiki\65]

Object Type: [Kentec v12\Hochiki\65]

Object Type: [Kentec v11\Hochiki\65]

The Hochiki Loop Beacon contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# Hochiki ADR Remote IND

Object Type: [Kentec v13\Hochiki\66]

Object Type: [Kentec v12\Hochiki\66]

Object Type: [Kentec v11\Hochiki\66]

The Hochiki ADR Remote IND contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# Hochiki Loop Sounder

Object Type: [Kentec v13\Hochiki\94]

Object Type: [Kentec v12\Hochiki\94]

Object Type: [Kentec v11\Hochiki\94]

The Hochiki Loop Sounder contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

## Hochiki Bell Module

Object Type: *[Kentec v13\Hochiki\120]*

Object Type: *[Kentec v12\Hochiki\120]*

Object Type: *[Kentec v11\Hochiki\120]*

The Hochiki Bell Module contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0...4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates if this device or sub-addresses are isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes
<b>Sub-address x</b> x is in the range 1...3	Sx	Fixed Container: <i>[Kentec v13\SubAddr]</i>

# Hochiki Multi IO Unit

Object Type: *[Kentec v13\Hochiki\122]*

Object Type: *[Kentec v12\Hochiki\122]*

Object Type: *[Kentec v11\Hochiki\122]*

The Hochiki Multi IO Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0...4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates if this device or sub-addresses are isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes
<b>Sub-address x</b> x is in the range 1...8	Sx	Fixed Container: <i>[Kentec v13\SubAddr]</i>

# Hochiki Output Module

Object Type: [Kentec v13\Hochiki\124]

Object Type: [Kentec v12\Hochiki\124]

Object Type: [Kentec v11\Hochiki\124]

The Hochiki Output Module contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0...4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates if this device or sub-addresses are isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes
<b>Sub-address x</b> x is in the range 1...3	Sx	Fixed Container: [Kentec v13\SubAddr]



# Hochiki Single IO Module

Object Type: [Kentec v13\Hochiki\125]

Object Type: [Kentec v12\Hochiki\125]

Object Type: [Kentec v11\Hochiki\125]

The Hochiki Single IO Module contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates if this device or sub-addresses are isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes
<b>Sub-address x</b> x is in the range 1..2	Sx	Fixed Container: [Kentec v13\SubAddr]

# Hochiki POM Output Module

Object Type: *[Kentec v13\Hochiki\126]*

Object Type: *[Kentec v12\Hochiki\126]*

Object Type: *[Kentec v11\Hochiki\126]*

The Hochiki POM Module contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0...4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates if this device or sub-addresses are isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes
<b>Sub-address x</b> x is in the range 1...3	Sx	Fixed Container: <i>[Kentec v13\SubAddr]</i>

## Hochiki Photoelectric

Object Type: [Kentec v13\Hochiki\136]

Object Type: [Kentec v12\Hochiki\136]

Object Type: [Kentec v11\Hochiki\136]

The Hochiki Photoelectric Sensor contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# Hochiki Heat Sensor

Object Type: [Kentec v13\Hochiki\152]

Object Type: [Kentec v12\Hochiki\152]

Object Type: [Kentec v11\Hochiki\152]

The Hochiki Heat Sensor contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

## Hochiki Heat Sensor ACB

Object Type: [Kentec v13\Hochiki\153]

Object Type: [Kentec v12\Hochiki\153]

Object Type: [Kentec v11\Hochiki\153]

The Hochiki Heat Sensor ACB contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# Hochiki Ionisation Unit

Object Type: [Kentec v13\Hochiki\168]

Object Type: [Kentec v12\Hochiki\168]

Object Type: [Kentec v11\Hochiki\168]

The Hochiki Ionisation Unit contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

# Hochiki Multi Sensor

Object Type: [Kentec v13\Hochiki\216]

Object Type: [Kentec v12\Hochiki\216]

Object Type: [Kentec v11\Hochiki\216]

The Hochiki Multi Sensor contains the following objects:

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates whether this device is isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes

## I/O Board

Object Type: *[Kentec v13\IOBoard]*

An on-panel I/O board contains up to 16 input channels, referenced using the sub-address.

Description	Reference	Type
<b>Device Alarm State</b>	C	Obj\Enum: 0...4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Device OK</b>	C0	Obj\NoYes
<b>Device Isolated</b> Indicates if this device or sub-addresses are isolated. Can be written to in order to isolate or de-isolate the device	C1	Obj\NoYes; Adjustable
<b>Device in Fault</b>	C2	Obj\NoYes
<b>Device in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Device in Fire</b>	C4	Obj\NoYes
<b>Sub-address x</b> The sub-address or input channel number, x, is in the range 1...16	Sx	Fixed Container: <i>[Kentec v13\SubAddr]</i>



## Sub-address

Object Type: [Kentec v13\SubAddr]

Object Type: [Kentec v12\SubAddr]

Object Type: [Kentec v11\SubAddr]

A Kentec sub-address contains the following objects:

Description	Reference	Type
<b>Alarm State</b>	C	Obj\Enum: 0..4; Where: 0=Ok, 1=Isolated, 2=Fault, 3=Pre-Alarm, 4=Fire
<b>Sub-address OK</b>	C0	Obj\NoYes
<b>Sub-address Isolated</b> Indicates whether this sub-address is isolated. Can be written to in order to isolate or de-isolate	C1	Obj\NoYes; Adjustable
<b>Sub-address in Fault</b>	C2	Obj\NoYes
<b>Sub-address in Pre-Alarm</b> Can also cover technical and security alarms where applicable	C3	Obj\NoYes
<b>Sub-address in Fire</b>	C4	Obj\NoYes

# Driver Versions

Version	Build Date	Details
1.0	16/6/2007	Driver released
1.1	9/10/2008	Added new state objects C, F
1.2	1/7/2010	Implemented new protocol commands and register for events. Now support device isolations Now support Input Activated events
1.2	13/2/2013	Improved initialization Now support loop offset panel configurations
1.3	17/2/2014	New driver object MA, to speed up initialization. Now support panel I/O boards
1.3	03/12/2014	Request device isolation from panel to provide updated status if zone is isolated. Improved detection of panel initializing after watchdog reset. Set TIME object to update panel current time. Read not available. Previously this object accessed occupancy last change timestamp.

## Next Steps...

If you require help, contact support on 01273 694422 or visit [www.northbt.com/support](http://www.northbt.com/support)



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