

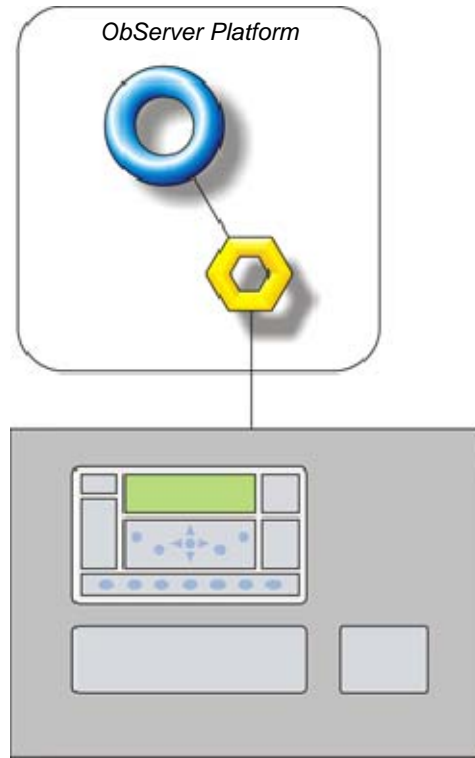
Product Engineering Guide

OSM v20 Rafiki v10

Introduction

The Rafiki OSM links a Rafiki Electronics fire detection system to ObServer. A system can consist of a number of addressable panels each with their own zones and devices on one or more loops.

The OSM can access the status of a connected panel, its loops, devices and zones; alarms can also be received from other individually addressed panels on a Rafiki system. Some remote actions may also be triggered to individual panels.



Supported Range

- Fike Duonet Rafiki Panel – Up to 128 zones are supported in a panel. The Duonet panel can support up to 2 loops with 100 devices available in each loop.
- Fike Quadnet Rafiki Panel – Up to 128 zones are supported in a panel. The Quadnet panel can support up to 4 loops with 100 devices available in each loop.

Engineering

Step 1 – Install OSM

The Rafiki OSM is installed automatically with all ObSys editions. Refer to the 'ObSys CD sleeve' for details on how to install ObSys.

Step 2 – Configure Rafiki System

Each Rafiki panel should be configured with unique network addresses.

Panels are usually addressed from number 1 onwards.

Step 3 – Connect COM Port to Rafiki System

Using cable, connect a Rafiki panel to a COM port of the PC. Refer to the section 'Cable' below for details of the cable.

Step 4 – Plug in Rafiki OSM to ObServer

Use object engineering software to locate the ObServer Setup object. Assign the Rafiki OSM to an available channel. Refer to '*ObServer v20 Application Engineering Guide*'.

Note: After inserting the OSM, your engineering software may need to re-scan the ObServer object in order to view the OSM.

Step 5 – Configure Rafiki OSM

The COM port, device label and alarm destination are configured using objects. Use object engineering software to view and modify the module objects within the OSM.

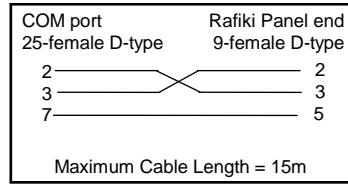
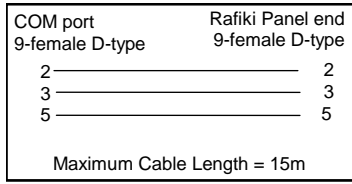
Step 6 – Access Objects within the Rafiki System

Values from the Rafiki system are made available as objects from ObServer. Any object software that is connected to the ObServer can access these objects.

Engineering Reference

Cable Specification

The cable between COM port and the RS232 port is as follows:



Objects

When the OSM is loaded the following objects are created within ObServer, use object software to access these objects.

Object ^[1]	Label	R/W	Type
Sc	Rafiki System connected to channel c	-	[Rafiki v10]
Mc	Rafiki Module connected to channel c	-	[OSM v20\Rafiki v10]

Notes

[1] The ObServer channel number, c, is a number in the range 1...40.