

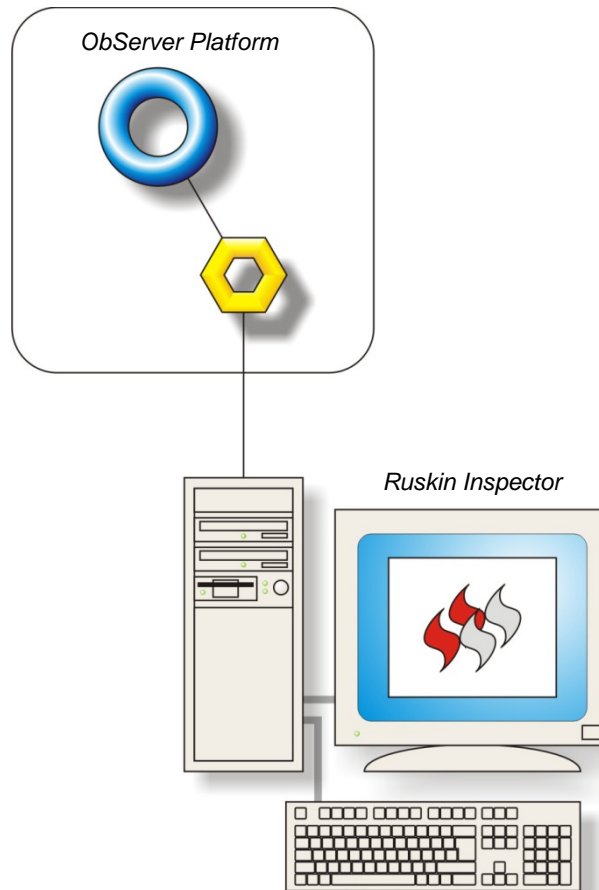
# Product Engineering Guide

## OSM v20 SafeguardM v10

---

### Introduction

The SafeguardM OSM links Safeguard's Ruskin Inspector fire damper monitoring system to ObServer. The SafeguardM OSM communicates with Ruskin Inspector software and makes the status of the fire dampers available as objects.



### Notes

It is not possible to adjust damper positions via the OSM.

The SafeguardM system supports objects to monitor the position of the connected dampers via the Ruskin Inspector software.

The SafeguardM system does not generate alarm messages. If alarm events are required, the North AlarmGen or UserData modules may be used.

The SafeguardM system does not provide logging facilities. If the project requires data logging then you will require a North logging module such as Data Manager, LogMax, or UserData.

---

## **Engineering**

### **Step 1 – Install OSM**

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

### **Step 2 – Configure the SafeguardM system**

Configure the Safeguard Ruskin Inspector using the on screen options. Select the "Serial Communication" tab, configure the settings as follows:

- COM Port Port,
- 2400 baud,
- 8 data bits,
- no parity,
- 1 stop bit,
- RTU Transmission Mode,
- No Flow Control,
- DTR and RTS lines Enabled,
- Silent Interval character time: 4.

### **Step 3 – Connect COM Port to PC port running Ruskin Inspector application**

Using cable, connect the Safeguard Ruskin Inspector Machine's RS232 port to a COM port of the PC. Refer to the section 'Cable' below for details of the cable.

### **Step 4 – Plug in SafeguardM OSM to ObServer**

Use object engineering software to locate the ObServer Setup object. Assign the SafeguardM 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 SafeguardM OSM**

The COM port is configured using objects. Use object engineering software to view and modify the module objects within the OSM. These should match the settings configure in the Ruskin Inspector software.

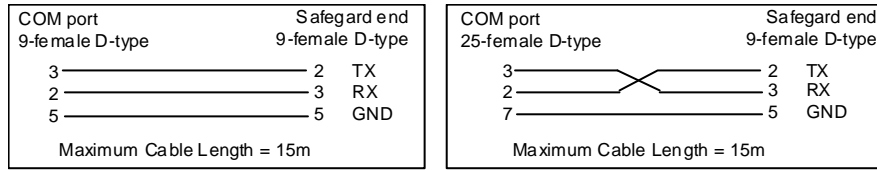
### **Step 6 – Access Objects within the SafeguardM System**

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

# Engineering Reference

## Cable Specification

Using cable, connect the OSM to the 9 way D type connector labelled "COM1" using an RS232 cable wired as follows:



## Objects

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

Object <sup>[1]</sup>	Label	R/W	Type
Sc	SafegardM System connected to channel <i>c</i>	-	[SafegardM v10]
Mc	SafegardM Module connected to channel <i>c</i>	-	[OSM v20\SafegardM v10]

## Notes

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