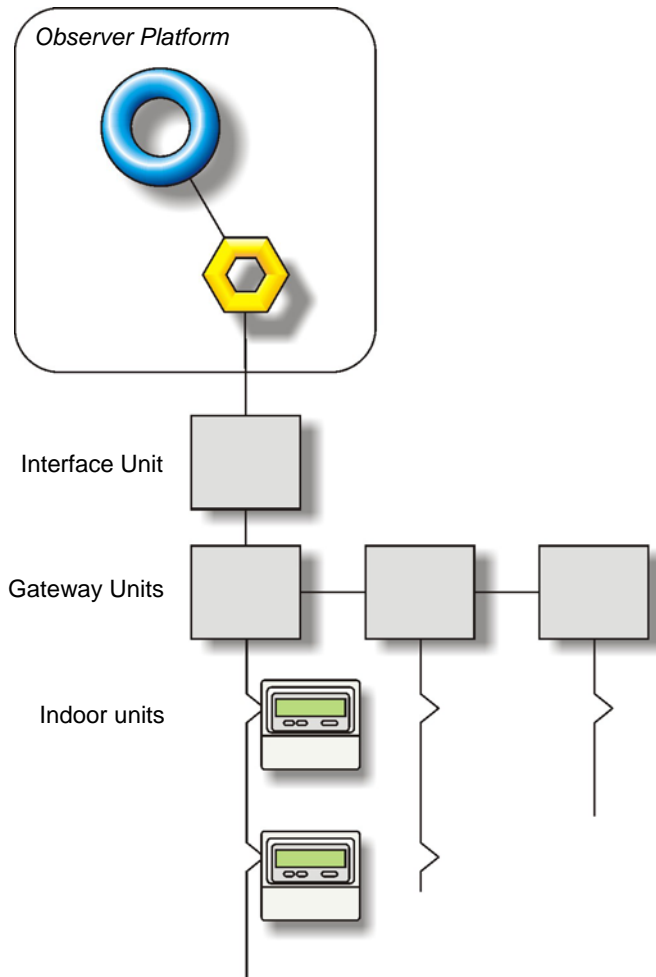


Product Engineering Guide

OSM v20 MitsCity v10

Introduction

The MitsCity OSM links a Mitsubishi Electric City Multi air conditioning system, via an interface unit, to ObServer. The City Multi system is suitable for the air conditioning of larger premises such as office blocks, hotels and shopping malls. The system consists of networks of indoor units that can be accessed through gateways. Each indoor unit can be monitored, and set points and operating modes can be controlled.



Supported Range

- City Multi Y Series - 40 gateway units each with up to 50 indoor units
- City Multi R2 Series - 40 gateway units each with up to 50 indoor units

Notes

The MitsCity Compass Point requires a Mitsubishi interface unit (IFU-100SA) in order to communicate with the City Multi gateway units.

The City Multi system does not report alarms to ObServer. If alarms are needed then an AlarmGen device will be required.

The City Multi system does not provide logging facilities to ObServer. If logging of values is needed then a DataManager will be required.

Engineering

Step 1 – Install OSM

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

Step 2 – Configure City Multi System

Unique addresses must be set up in the gateway units.

Step 3 – Connect OSM to City Multi System

Using cable, connect the 25-way D-type connector marked 'RS-232C-2' on the interface unit to the COM port of the PC. Refer to the section 'Cable' below for details of the cable.

Step 4 – Plug in MitsCity OSM to ObServer

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

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

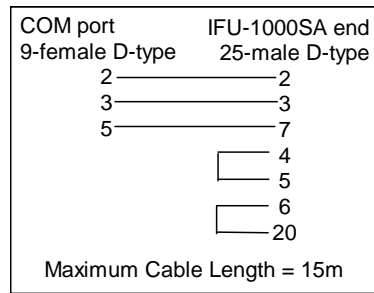
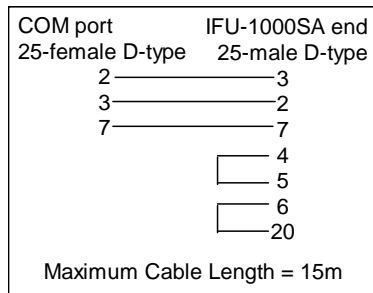
Step 6 – Access Objects within the City Multi System

Values from the MitsCity 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 on the PC and the Interface unit 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	MitsCity System connected to channel c	-	[MitsCity v10]
Mc	MitsCity Module connected to channel c	-	[OSM v20\MitsCity v10]

Notes

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