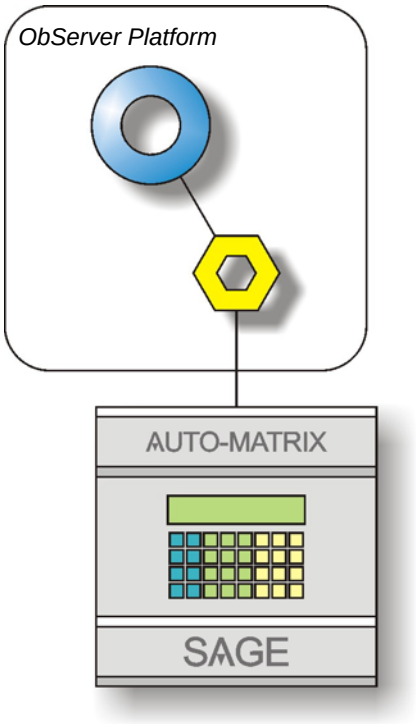
Product Engineering Guide

OSM v20 PHP v11

Introduction

The PHP OSM links any device that supports the Public Host Protocol (PHP) standard to ObServer. When only a single PHP device is attached, as with RS232, the Compass Point can scan for alarms from the system.

Products supporting the PHP standard include the American Auto-Matrix SAGE controller.



Engineering

Step 1 – Install OSM

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

Step 2 – Configure PHP System

Engineering of the PHP system is device specific, refer to the manufacturer documentation.

SAGE Specific: Using a terminal connection to the SAGE, set port 7 or 8 driver type to 'PHPdcon' with a matching byte format of the Compass Point. From the port configuration menu set the PHP Unit Number as required and the Turnaround Delay to 0. The Object Modify Privileges, Site Banner Text, and Default Operator may also be set.

Step 3 – Connect COM Port to PHP System

Using cable, connect the PHP device to a COM port of the PC. Refer to the section ‘Cable’ below for details of the cable.

Step 4 – Plug in PHP OSM to ObServer

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

The COM port, baudrate, 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 PHP System

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

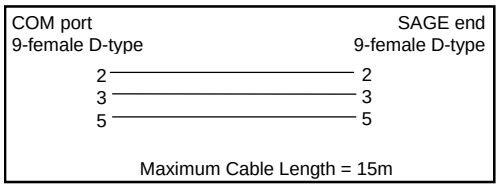
Engineering Reference

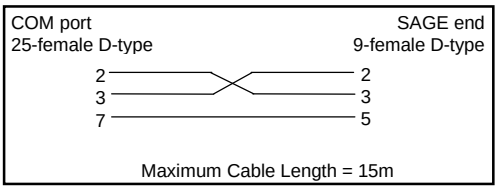
Cable Specification

The RS232 cable from the Compass Point to the PHP-compatible system cannot be described here, but must be determined by the engineer from the documentation for the system. This cable should be as short as possible, and not greater than 15 metres.

SAGE Cable Specification

The cable between the COM port and the American Auto-Matrix SAGE RS232 port 7 or 8 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***
S*c*	PHP System connected to channel *c*	-	*[PHP]* [2]
M*c*	PHP Module connected to channel *c*	-	*[OSM v20\PHP v11]*

Notes

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

[2] This object has a variable content and as such requires scanning.