Extract a bit out of a register using the Modbus IOServer

Unlike other IOServers on the eWON, the Modbus IOServer does not allow to extract a bit of a word.

You can use the eWON Modbus IOServer to read directly a bit (coil or input) on the Modbus device, but there does not exist a functionality in the eWON Modbus IOServer which allows to extract directly a bit of a 16bit register.

As work around you can use eWON scripting to extract manually the bit of the word.

Here under a script example:

```
a% = INT(tag_40001@)
tag_40001_0@ = a%#1ntag_40001_1@ = a%#2ntag_40001_2@ = a%#3ntag_40001_3@ = a%#4
```

- Remark -

`tag_40001` is the name of the Tag which is linked to a Modbus register
`tag_40001_0`, `tag_40001_1`, etc. are internal memory tags of the eWON (MEM tags)
Revision Information

Revision

Revision History

<table>
<thead>
<tr>
<th>Revision Level</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>13/09/2012</td>
<td>Creation of document</td>
</tr>
</tbody>
</table>

Document build number: 11

Note concerning the warranty and the rights of ownership:
The information contained in this document is subject to modification without notice. Check http://wiki.ewon.biz for the latest documents releases.
The vendor and the authors of this manual are not liable for the errors it may contain, nor for their eventual consequences.
No liability or warranty, explicit or implicit, is made concerning the quality, the accuracy and the correctness of the information contained in this document. In no case the manufacturer’s responsibility could be called for direct, indirect, accidental or other damage occurring from any defect of the product or errors coming from this document.
The product names are mentioned in this manual for information purposes only. The trade marks and the product names or marks contained in this document are the property of their respective owners.
This document contains materials protected by the International Copyright Laws. All reproduction rights are reserved. No part of this handbook can be reproduced, transmitted or copied in any way without written consent from the manufacturer and/or the authors of this handbook.

eWON sa, Member of ACT’L Group