

PROD NEWS LETTER

NO: 11/11

2011-04-07

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R-net Input/Output Module (IOM)



The R-net IOM is a universal module that can be used as either an Input Device interface or an Output Device in R-net system.

IOM can be used for special adaptations, for example to control environment controls like door openers, lights etceteras.
All output pins are isolated relay types.

The standard programming for Permobil wheelchairs are prepared for the use of up to two IOM as output device, refer to the attached technical instruction sheet.

IOM can only be ordered as a spare part for adaptation applications or replacement and is not included in any Permobil standard option.

1825773	Rnet IO Module	Start order date: April 26
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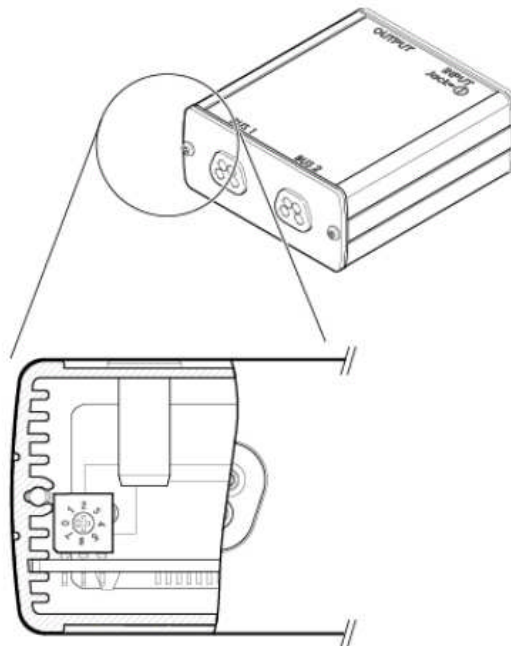
Connection of IOM for output control

This document describes how the IOM can be used for Plug-and-Play control of external devices (as for example environmental control devices) with the default program settings in Permobil wheelchairs with R-net.

For a detailed information about installation and configuration of the IO Module refer to the PGDT Technical Manual "R-net IOM Manual SK78814" (for download at Permobil web-site)

The standard programming on Permobil wheelchairs are prepared for up to two I/O Modules used as output modules.

The internal identifier switch (see figure below) shall be **set to 5** in the first IOM and to **6** in the second (if used) to work with the standard program setting. When the IOM is connected to the R-net system it will be accessed from the system by pressing the Mode button several times until "Output Module (5)" or "Output Module (6)" is displayed on the JSM.

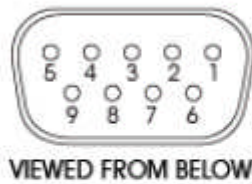


- Disconnect all cables.
- Remove the retaining screws from the Bus connector plate.
- Gently pull the connector plate away from the housing, ensuring that the wiring remains intact.

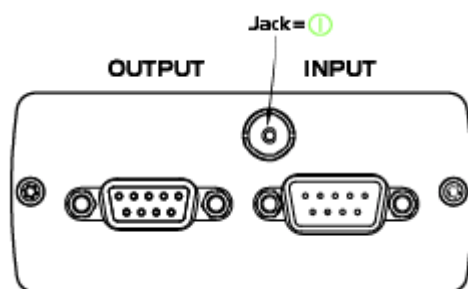
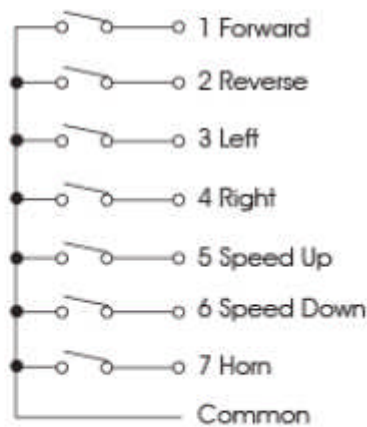


- Adjust the internal identifier switch position to suit the wheelchairs requirements.
 - Replace the connector plate and affix to the housing using the retaining screws.
- Each IOM can control seven output pins. See table and figure below how to activate each output pin. (Example Pin 7 gets aktive when Horn-button is pressed).

9 WAY D-TYPE (OUTPUT)



Pin	Function
1	Forward
2	Reverse
3	Left
4	Right
5	Speed Down
6	Speed Up
7	Horn
8	COMMON
9	NC



The 9-way D type Output connectors output rating is 0.5 A at 24Vdc, per pin. The relay outputs are normally open. Operate by closing to Common.

