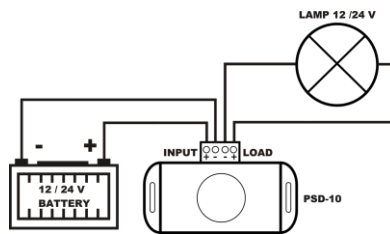


### PIR DC-Switch (PDS-10):

The iesy PDS-10 is a motion activated switch for 12 and 24 Volt systems for which a Passive Infra-Red Detector (PIR) is used. On the output a load (e.g. lights or other consumers) can be connected of max. to 10A (continuous) in 12 or 24 V systems. Some examples are: light on truck loading areas, buses and ships. In addition to the basic functions, the PDS-10 is to prevent some security features like overvoltage, under voltage and overcurrent. Only for indoor use.



### Series iesy PDS-10

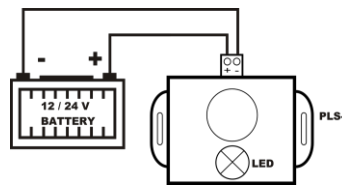
PIR DC-Switch (auto detect 12-24VDC/10A)



### PIR LED Switch (PLS-1) + LED:

The iesy PLS-1 is a motion activated LED lamp for 12 and 24 Volt systems for which a Passive Infra-Red Detector (PIR) is used. The PLS-1 has a built in high efficiency Power LED (1 Watt)

The PLS-1 is designed for indoor use only. This could be for example cargo space of a truck, a bus or inside a ship. To prevent over-voltage, under-voltage and overload the PLS-1 possesses, besides the basic functionality, also some protection functions.



### Series iesy PLS-1

PIR LED Switch (auto detect 12-24VDC)



Type	Auto Voltage	Switch time adjustable	Power up delay	Detection angle	Detection	Weight	Dim L x W x H
PDS-10	12Vdc /24Vdc	1 - 10min.	+ / - 30 Sek.	60 ° H – 60 ° V	5 meter	30 g	76,5x48,5x30mm
PLS-1	12Vdc /24Vdc	1 - 10min.	+ / - 30 Sek.	60 ° H – 60 ° V	5 meter	35 g	67x50x30mm

### Battery Equalizer BE24/1, for extending battery life:

The Battery Equalizer is designed to provide a battery of 24 volts, which is composed of two batteries of 12 volts, just to keep them equal in voltage.

Similar types of batteries, could be have after a while different voltage values. Such (different) voltage can be caused in part by different temperature of the batteries, or modified the capacity. The Battery Equalizer ensures that this problem is detected and corrected in time, prolonging the life of the battery.

### Serie iesy BE 24-1 Battery Equalizer



### PowerMonitor PM04/3:

The iesy PM04 is designed to check in series placed batteries. The PM04 is suitable for 24 and 48 Volt systems. Hence 2 to 4 in series placed batteries can be measured. The PM04 can produce an alarm when an under- or over voltage occurs or an unbalance in the series placed batteries. Also batteries that are charged can be checked (Charge sensing), so in case of a failure the charge alarm is activated.

The PM04 will keep the alarm status. In this way the mechanic can establish the problem. Then the PM04 can be reset.

The PM04 is microprocessor controlled and can be (not free) reprogrammed with different settings.

The PM04 gets its supply from the measured batteries and does not need a separate power supply.

The PM04 has several potential free alarm contacts with which for example a GSM system could be switched on.

### Series iesy PM 04-3 Power Monitor

