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TECHNOLOGIE

# PVMODULE

USING ENERGY INTELLIGENTLY.

# PVMODULE

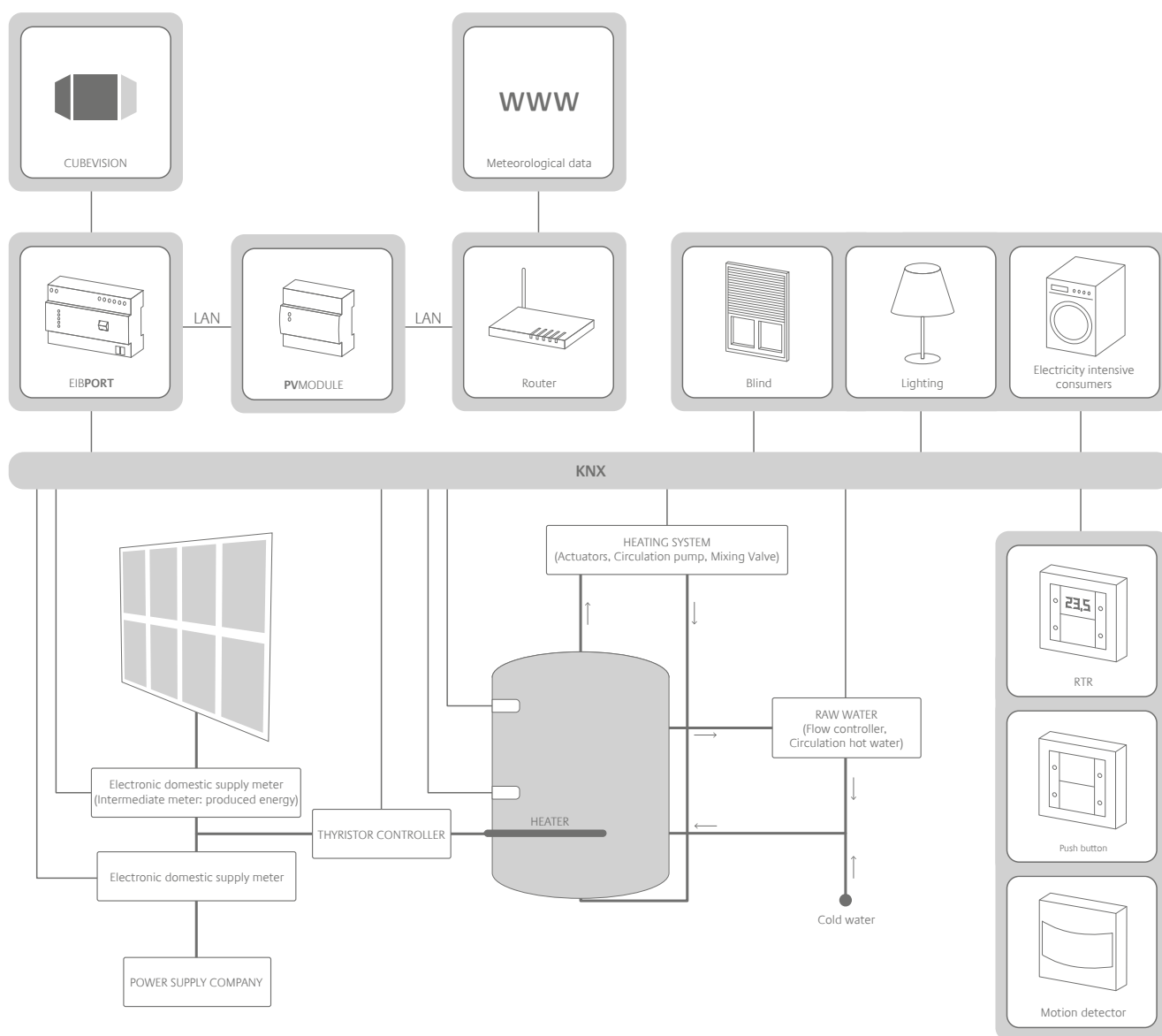
## USING ENERGY INTELLIGENTLY.



The **PVMODULE**, in combination with the **EIBPORT**, is capable of assuming control of a photovoltaic (PV) system within a KNX bus system. The functional method is simple: The system uses the surplus PV energy that is normally fed back into the power grid to heat your building. To do this, the currently available output of the PV generator is determined and converted directly into heat by means of a thyristor controller and the heating element. The heat store is monitored by means of temperature sensors so that the energy feed can be shut off when a preset limit is reached. The **PVMODULE** assumes the complete regulation of the thermal energy recovery. It takes into consideration the demand and the environmental conditions, such as summer or winter operation, standby mode, automatic lowering of night-time temperature etc. It can be used for controlling the provision of domestic hot water or to supplement the heating system. The **PVMODULE** can also be integrated into existing structures, thereby helping to improve your own energy consumption and reduce heating bills. In interaction with the **EIBPORT**, consumption and yield graphs can clearly be displayed.

# PRODUCT APPLICATION

## THE **PV**MODULE IN USE



## TECHNICAL DATA

Article no.: 10581

- Operating voltage: 12–32 V DC
- Typical power input 300 mA at 12 V DC
- Power input: ≤ 5 W
- Connection: Power supply via screw type terminal
- Environmental conditions: EN 50090-2-2
- Ambient temperature: -5 to + 35°C
- Storage temperature: -10 to + 60°C
- Relative humidity (non-condensing): 5% to 80%

### Mechanical data:

- Installation: MDRC 4 MW
- Dimensions (W x H x D) in mm: 70 x 90 x 63

- Housing: Plastic
- Protection class: IP20 (according to EN 60529)
- Interfaces:
- Ethernet via RJ45 socket
- SD card slot: The card must remain inserted
- KNX®/TP and EnOcean® connection available soon

### Software requirements:

- Operating system: any
- Communication: Network interface
- Browser: current standard browser

*everywhere at home*



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