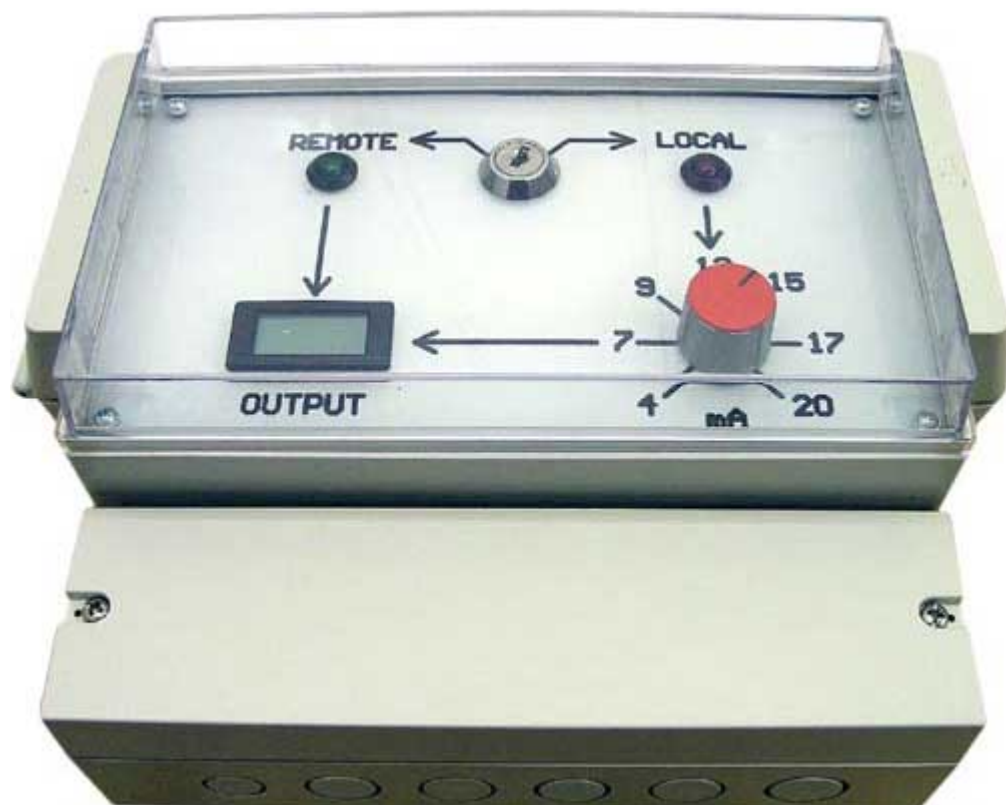


Manual



4-20mA Remote/Local Control Switch

Function

You can switch with a **key** between local- and remote control. The mode is displayed with a green lamp (= remote) and a red lamp (=local).

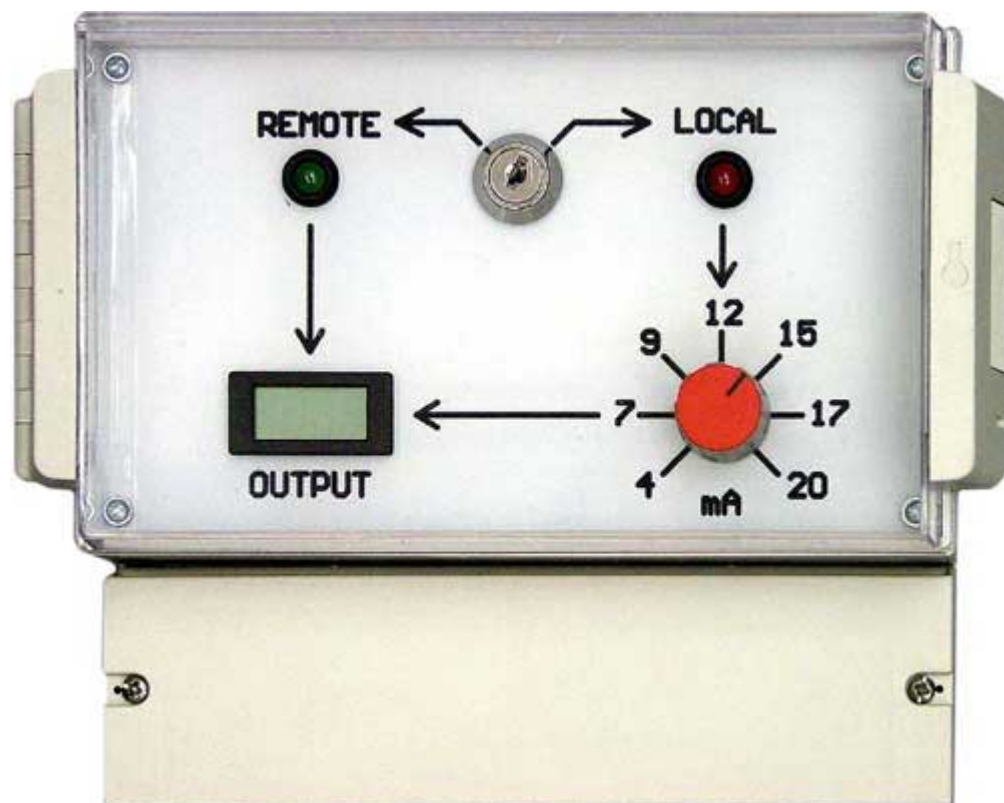
In **remote mode** the terminals "Input (REM)" are connected with the terminals "OUTPUT (USER)".

In **local mode** the terminals "Input (REM)" are connected with the terminals "TERM. RESIST". Therefore the current loop stays guaranteed because of the connected termination resistor. A 100 Ohm resistor is already connected to the terminals "TERM. RESIST". The "OUTPUT (USER)" terminals are now connected to the internal current source.

The internal **current source** is adjustable with the rotating knob for a range of 4mA till 20mA. The delivered current is very stable for burden resistors in a range of 10 Ohm till 800 Ohm at 230V/50Hz line voltage.

The 3 ½ digit **LCD** with backlight shows the current at the "OUTPUT (USER)" terminal continuous. That means that the remote current is displayed in remote mode and the local current is displayed in the local mode.

Here you can see the front panel of the device:



Terminals

Connect the power supply at the terminals "Netz L, N".

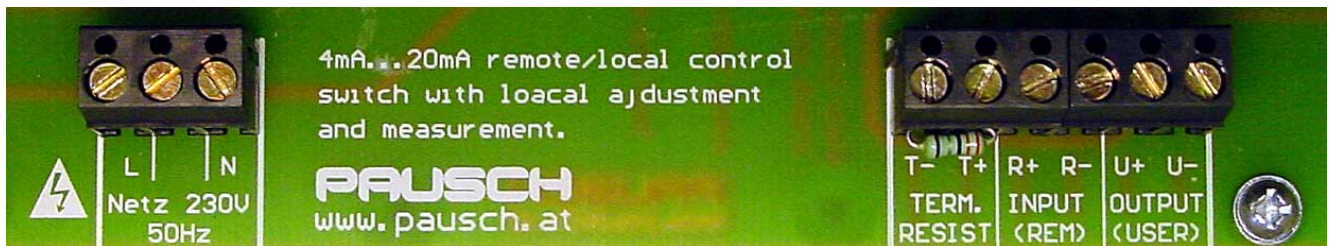
Connect a resistor between 10 Ohm till 800 Ohm at the terminals "TERM. RESIST" to keep the remote current in local mode.

Connect the remote current source at the terminals "Input (REM)".

Connect the device that is current controlled at the terminals "OUTPUT (USER)". The internal current loop resistant of the device can be 0 Ohm till 800 Ohm.

Attention: Check the polarity! Don't exchange + with -.

Here you can see all the terminals:



Technical Data

Power supply: 230V / 50Hz, +-15V, +-5Hz.

Remote termination resistor: 10 Ohm till 1 K Ohm (like the remote current source needs).

Termination resistor of the controlled device: 10 Ohm till 800 Ohm.

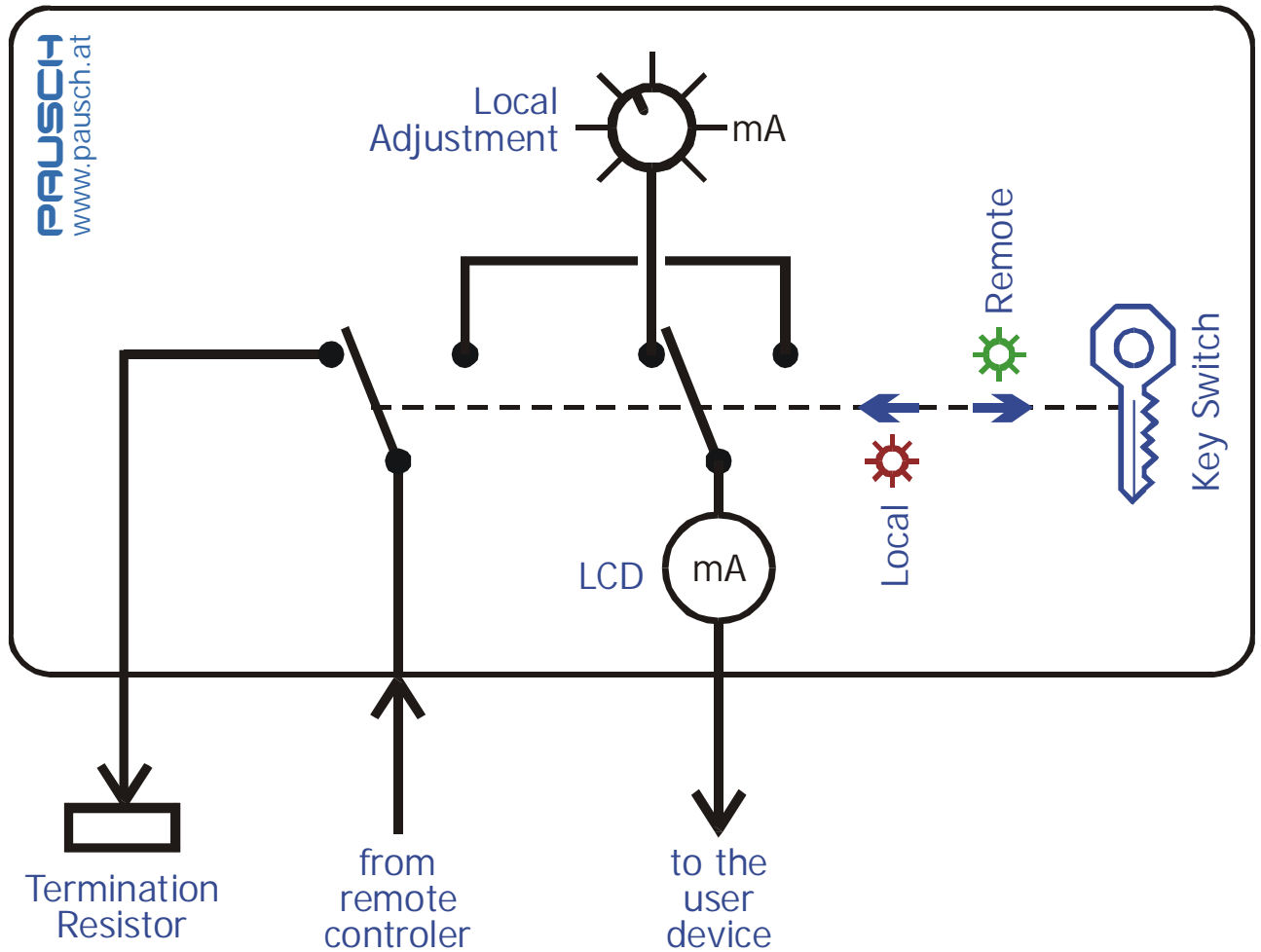
Housing protection: IP65.

The power supply is galvanic isolated from the control current terminals.

Attention: While the key is between the modes the "OUTPUT (USER)" terminals are not connected. If you move the key in normal speed (not too slow) this is only for a view ms. The LED´s are both off in this state. This prevent a connection between the "Input (REM)" terminals and internal local source.

Block diagramm

Here you see the principal block diagram of the device and the connections:



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