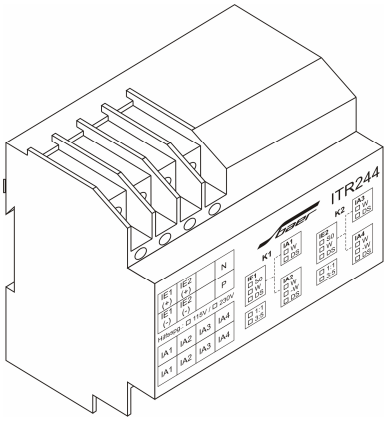


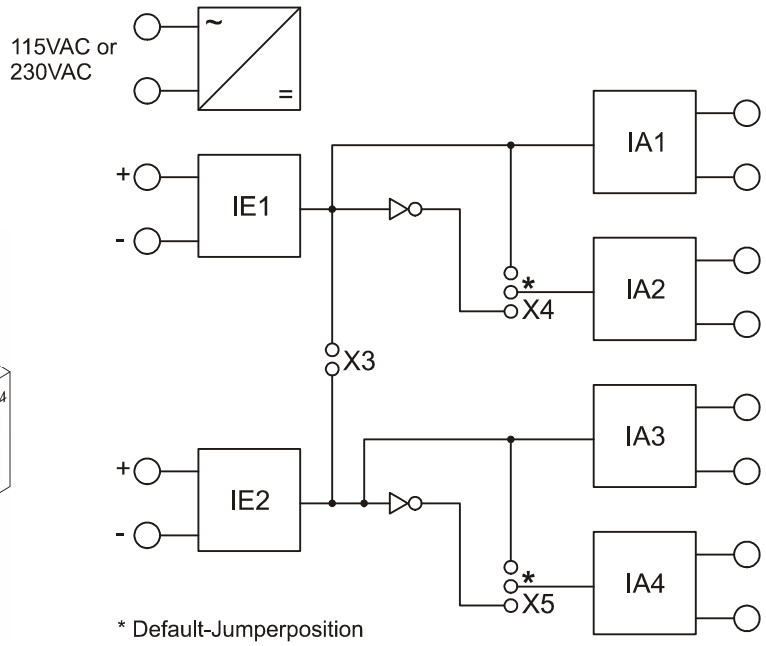
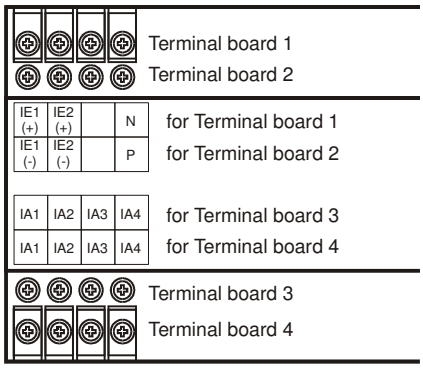


Figure 1, View ITR244 Figure 2, Schematic Drawing ITR244

Short overview ITR244

This relay is important for galvanic isolation, conversion and multiplication of both pulse circuits and signal circuits in telemetering, summation telemetering and maximum value monitoring installations.
It has two wipe pulse inputs and four galvanically isolated outputs.

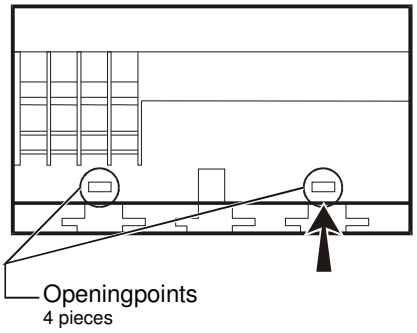
Terminal Assignment



The connector assignments are on the front.
See the figure on the left hand.

Figure 3, Terminal Assignments

Opening the housing



Use a smooth screwdriver to opening the housing.

Put the screwdriver under the opening points in the direction, showed by the arrow.

Watch out to press the connecting ledge out of the housing led. Be carefully don't destroy the strap on the housing.

To close the housing, push quiet the two housing parts together since the opening points snap into place.

Figure 4, Opening points of the housing

! Very important! Open the housing of the ITR244 only when power is disconnected!

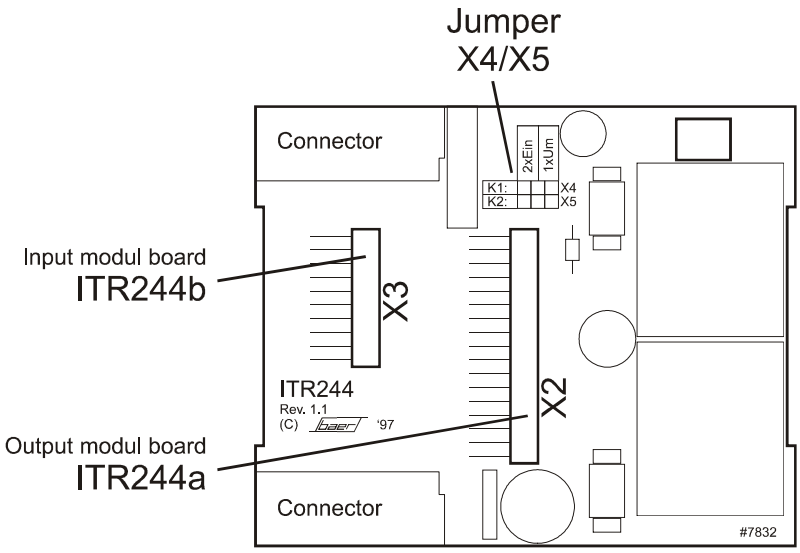
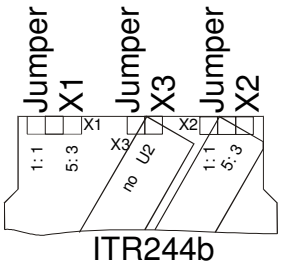


Figure 5, Component position on the circuit board

Function of the jumpers X4/X5 on the main board.

Select between two make ("2xEin") contacts and one make / brake (changeover) ("1xUm") contact. The positions are printed on the board. The opinion of X4 are relay "K1" (IE1, IA1, IA2) and X5 are "K2" (IE2, IA3, IA4).

At power off, all contacts are open also the brake contact in the opinion as an changeover relay.



Function of the jumpers X1/X2 on the input module board.

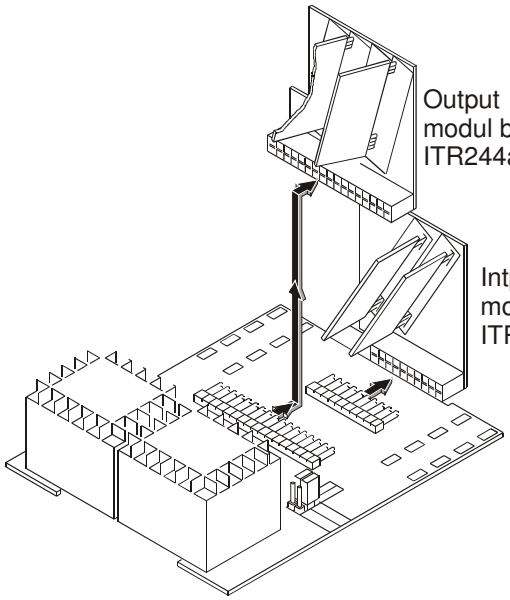
Selection input impulse division between 1:1 or 5:3. The positions are printed on the board. At the selection 5:3, only 3 impulses from 5 impulses are going out. Then impulse length from the 3 impulses are unchanged. X1 select the division for IE1 and IA1/IA2, X2 select the division for IE2 and IA3/IA4.

Function of the jumpers X3 on the input module board.

Its also possible to put in only one input module and switch it to 4 outputs. X3 must be jumpered to lead IE1 to IA3 and IA4. Also at this opinion X1 and X2 selects the division between 1:1 or 5:3 for the outputs 1 and 2 and 3 and 4.

Figure 6, Position Jumper X1, X2, X3

Exchange of the input- and output boards



Exchange input- and output modules on the output board (ITR244a (X2)) and the input board (ITR244b (X3)) only when the power are disconnects.

Open the housing and put out the boards off her holding. After this, you can exchange the modules.

Figure 7, Exchange of the input- and output boards

Mixing inputs and outputs

The modular design allows any combination of input and output modules, but for security reasons it is not permitted to combine inputs using line voltage (e.g. wipe inputs) and low-voltage inputs (e.g. S0 inputs). This is true for outputs as well.

Dimensions

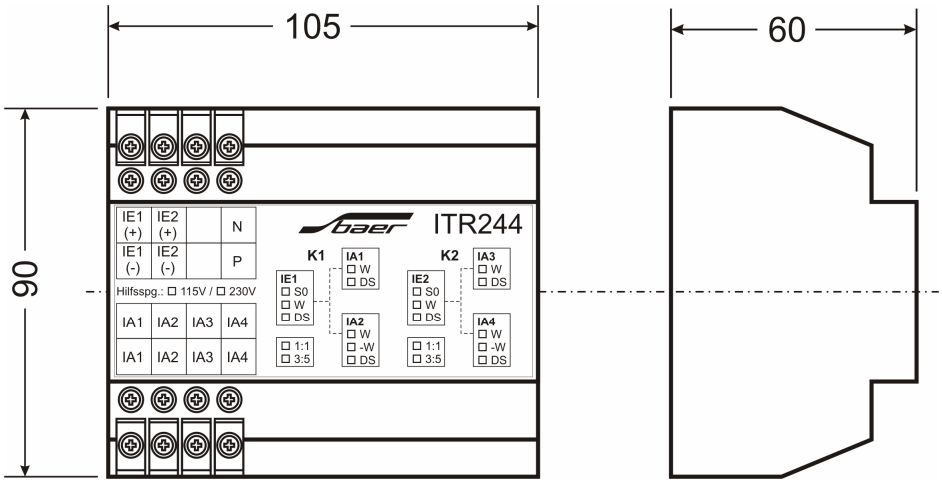


Figure 9, Dimensioned drawing

Additionally to the front panel

Normally, the front panel is delivered unlabeled.

Mark the modules and the divisions that you assembled with a cross. Do to that with a ball-point pen its implants the cross at the foil for safety against manipulation.

The printed polarity for IE1 and IE2 only for S0-modules. At all other reasons meaningless.

Technical Data:

Housing:	Isolating material for top-hat rail installation (wall montage optional)
Dimensions:	105 × 90 × 60, see the dimensioned drawing
Degree of Protection:	IP20 complying with DIN 40050
Inputs (IE1/IE2):	2 × IED / IEI / IES / IEW
Outputs (IA1 – IA4):	4 × IAD / IAW; 2 each Input
Load Rating:	IAD: 30mA IAW: max. 265VAC/DC, 100mA
Supply Voltage:	115VAC (90VAC – 130VAC) or 230VAC (200VAC – 250VAC), 50Hz
Power Consumption:	ca. 3 VA
Display:	none
Order-Number:	115VAC: #10857 230VAC: #10859