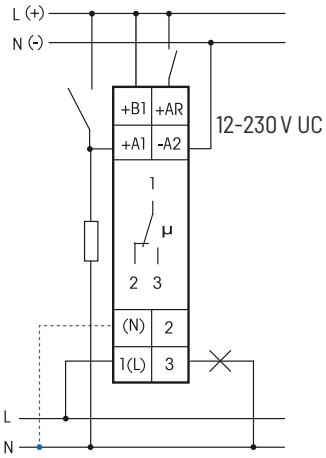
DIGITAL ADJUSTABLE OPERATING HOURS IMPULSE COUNTER BZR12DDX-UC WITH ALARM RELAY AND RESET



+B1	+AR
+A1	-A2
Field 1	
Field 2	
Field 3	
(N)	2
1(L)	3

Typical connection



If N is connected, the zero passage switching is active.

Manuals and documents in further languages:
https://eltako.com/redirect/BZR12DDX-UC

BZR12DDX-UC

1 CO contact potential free 10 A/250 V AC. 230 V LED lamps up to 200 W, incandescent lamp load 2000 W. Standby loss 0.05–0.5 watt only.

Modular device for DIN-EN 60715 TH35 rail mounting. 1 module = 18 mm wide, 58 mm deep.
With the patented ELTAKO Duplex technology (DX) the normally potential-free contacts can still switch in zero passage when switching 230 V AC 50 Hz and therefore drastically reduce wear. Simply connect the neutral conductor to the terminal (N) and L to 1(L) for this. This gives an additional standby consumption of only 0.1 watt.
The BZR12DDX is adjustable when the supply voltage 12..230 V UC is applied to B1/A2:
Select the function by pressing the projecting buttons **MODE and SET:** Press MODE briefly to make the last function selected (factory setting **BST = operating hours counter**) flash in field 1. Then press SET to switch between **IMP = impulse counter up to 9999 impulses** and **I10 = impulse counter x 10 up to 99990 impulses.** Confirm the selected function by pressing MODE.
BST function = operating hours counter
Field 3 shows the accumulated **operating hours T1** up to 8760 hours = 1 year. Up to 999.9 hours with one decimal point. Field 2 can display up to 99 accumulated **operating years T2.**
Press MODE to activate **the alarm time AZT** when the relay contact is switched over from 1-2 to 1-3. AZT flashes and SET increments each time by 1 hour in field 3. Press and hold down to change the time rapidly. Release and then press and hold down again to change the direction. Confirm the selected time by pressing MODE. The + character in field 1 displays the set alarm time. AA flashes and SET activates (display AA+) or deactivates (display AA) the automatic alarm disconnection.
The operating hours are counted in field 3 as long as the control voltage (= supply voltage) is applied to A1. The display II moves slowly to the right in field 1.
The residual alarm time RZT in hours can be displayed by pressing SET briefly in field 3. Press SET again to switch back to the operation display.
If there is a power failure, the contact switches over from 1-2 to 1-3 and may therefore be used for an alarm signal.
When the alarm time AZT is reached, the contact switches over from 1-2 to 1-3, SET flashes in field 1 and the display of the elapsed alarm period starts in field 2 from 0.1 minute (m) to 99 hours (h). The contact position 1-3 is indicated by an arrow on the left in field 1.
Acknowledge the alarm: a) If the automatic alarm disconnection is activated (AA+), the contact 1-3 closes for only 1 second and the alarm time restarts. b) By connecting the control voltage +B1 to AR the contact switches back, if AR is disconnected from the control voltage the alarm time restarts. c) Press SET for 3 seconds to switch back the contact and to restart the alarm time. The operating hours counter in field 3 continues running same as for a) and b).
Reset the operating hours counter previous to the alarm signal by applying the control voltage +B1 to AR for 3 seconds or by pressing the MODE and SET buttons simultaneously for 3 seconds, confirm the RES display in field 1 by pressing SET. The counter is reset to 0. This does not change the alarm time.
Enable the keylock by pressing MODE and SET briefly and simultaneously. When you confirm the flashing display LCK by pressing SET, the buttons are locked and this is indicated by an arrow in field 1 pointing in the direction of the lock icon sticker.
Disable the keylock by pressing MODE and SET simultaneously for 2 seconds. Confirm the flashing display UNL by pressing SET to unlock.
IMP function = impulse counter and function I10 = impulse counter x 10
Field 3 shows the accumulated **impulses T1** up to 9999 (99990) impulses. Press MODE to **activate the alarm impulse number AIZ** when the relay contact switches over from 1-2 to 1-3. AIZ flashes and SET increments each time by 1 impulse in field 3. Press and hold down to change the impulse number rapidly. Release and then press and hold down again to change the direction. Confirm the selected impulse number by pressing MODE and the + character in field 1 to display the set alarm impulse number.
Every voltage impulse (identical with the supply voltage) detected at A1 increments the number of counted impulses in field 3.
The residual impulse number RIZ can be displayed after pressing SET briefly. RIZ appears in field 1 and the residual impulses until the alarm is displayed in field 3. Press SET again to switch back to the operation display.
When the **alarm impulse number is reached,** the contact switches over from 1-2 to 1-3, SET flashes in field 1 and the display of other impulses up to 99 (990) starts during the alarm signal. The contact position 1-3 is indicated by an arrow on the left in field 1.
'Acknowledge alarm', 'Reset' and 'Lock/unlock setting' are identical to the BST function = operating hours counter.

BZR12DDX-UC	Digital adjustable operating hours impulse counter, 1 CO contact 10 A	**Art. No. 22001430**	**73,26 €/pc.**

Technical data page 14-9.
Housing for operating instructions GBA14 page 1-48 chapter 1.

Recommended retail prices excluding VAT.