Dimension diagram: mounting plate (without housing)

A1 K1 *Q1

ø12

250
275

295
334

depth : 130
* see order designation

Dimension diagram: housing

ø10

246
300

380
410

depth: 155
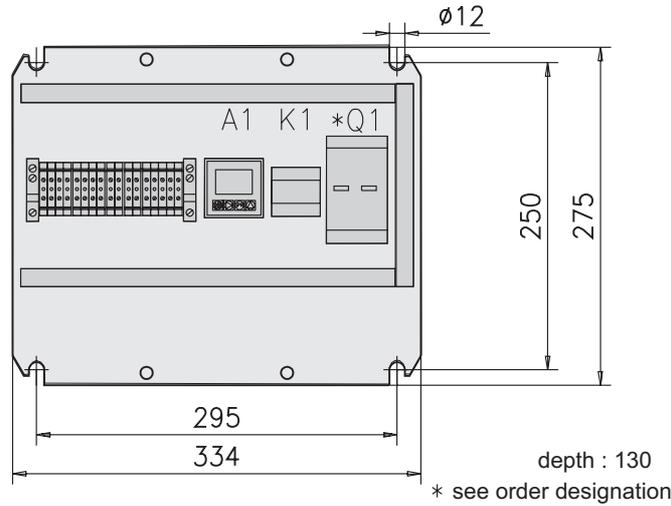
Control unit
EZE-C   **467.590**

- ■ **Dead and operating times control**
- ■ **3 main contacts**
- ■ **With/without motor protection switch**
- ■ **Auxiliary contacts**
- ■ **With /without housing**

Application:

The control unit type EZE-C is a clock generator that serves to control timedependent functions. Dead and operating times can be set separately.
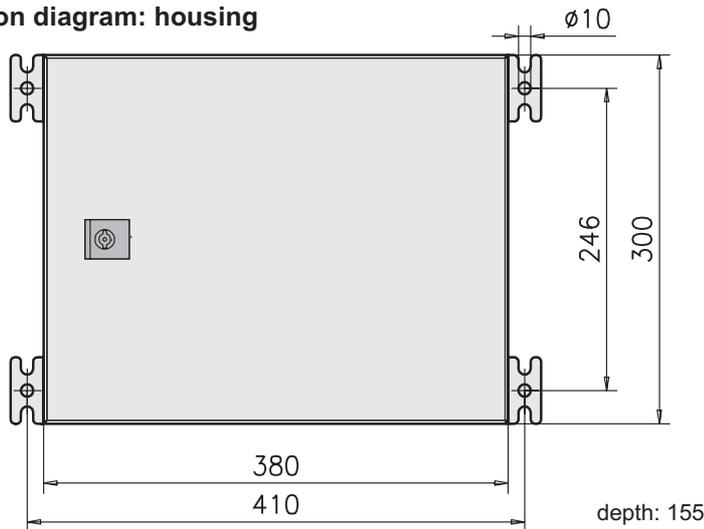
Technical Data:

Housing:	sheet steel casing
Protection typ with housing:	IP55 DIN40050
Temperature range:	0 ÷50 °C
Energized duty rating:	100%
Control voltage:	see BBZ
Main voltage max. 3pol.:	500 V AC
Motor output max.:	4,0 kW
Voltage - auxiliary contact max.:	250 VAC
Current - main contact max.:	8A
Current - auxiliary contacts max.:	4 A
Weight with casing:	ca. 12kg
Weight without casing:	ca. 5kg

Order designation:

Control unit   EZE-C / O / O / O / O

Housing	Adjusting range motor protection switch		Adjusting range timing generator	Control voltage
	without	Ⓞ	Dead time 0,06sec ÷ 60min Operating time 0,06sec ÷ 60min C1 not zero voltage proof	
	0,28 ÷ 0,40 A	04		
with Ⓖ	0,45 ÷ 0,63 A	06		230V 50÷60Hz 230VAC
without Ⓞ	0,70 ÷ 1,00 A	10	Dead time 0,01 ÷ 99,99 h C2 Operating time 1 Min.÷ 99,99 h	110V 50÷60Hz 110VAC
	1,10 ÷ 1,60 A	16		
	1,80 ÷ 2,50 A	25	Dead time 0,1 ÷ 999,9 h C3 Operating time 1 Min.÷ 99,99 h	
	2,50 ÷ 4,00 A	40		

Connection diagram:

∗Q1

∗see order designation

K1

PE 1 2 3   PE 4 5 6   7 7 8 8   9 10 11 12 PE

U1 V1 W1

M
3∼

PE L1 L2 L3   L1 N
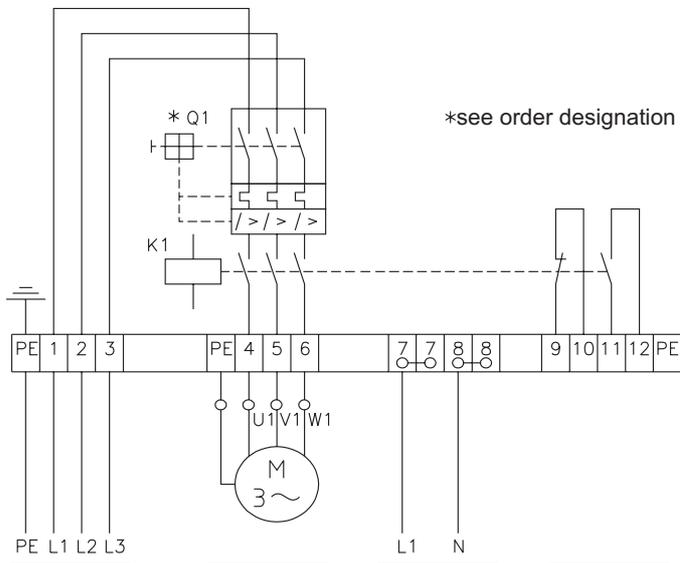
Phase conductor connection for pump motor

Pump motor

Control voltage

Potentialfree outlet Terminal 8/10 during operating time open Terminall 11/12 closed

Version C1
The dead an operating times can be set separately in 4 time ranges. The cycle generator is not undervoltage-protected, i.e. in case of control voltage switch-off, the elapsed times will get lost. With the dead time, the times will start to elapse anew. Time ranges are as follows:
0.6 to 6seconds, 6 to 60 seconds 0.6 to 6 minutes, and 6 to 60 minutes.

Version C2
The dead and operating times are set separately in single steps. The cycle generator is undervoltage-protected, i.e. in case of control voltage switch-off, the elapsed dead or operating times are stored. When the unit is switched on again, time starts to elapse from the point where it was discontinued before.

Dead time range: $00,01 \div 99,99h$
Operating time range: $0,001 \div 9,999h$

Versione C3
Same a version C2. However, with different dead time range
Dead time range: $000,1 \div 999,9h$
Operating time range: $0,001 \div 9,999h$

Motor Output Potential-free Contacts
During operating time, a motor contactor is triggered. In the unit, the motor contactor can be superposed by a motor protection switch to protect the motor. See BBZ.

Potential-free ContactsAuxiliary Contacts
During operating time, terminal 9/10 is connected with a break-contact and terminal 11/12 with a make-contact. These contacts serve, for instance, to lock monitoring units or to trigger an air valve for spraying lubrication systems (e.g. via the twin-terminals 7/8 a valve can be connected directly). Among others, it's also possible to cycle a valve by means of an initiator during operating time.

Programming the Dead and Operating Times for C2 and C3:

1. Press the PR key; Toff (dead time)
2. Press the arrow symbol ▶ and select the point to be set;
3. Press the arrow symbol ▲ and select the corresponding number;
4. Press the PR key; Ton (Operating time)
5. Press the arrow symbol ▶ and select the point to be set;
6. Press the arrow symbol ▲ and select the corresponding number;
7. Press the PR key; "Ent" will appear then;
8. Acknowledge by pressing the enter key.

- Subject to modifications -