



EZM-4430,EZM-4930,EZM-7730,EZM-9930 Programmable Counters



EZM-4430,EZM-4930,EZM-7730,EZM-9930 Programmable Counters

- 6 digits Process (PV) and 6 digits Set (SV) Value Display
- Operation with 1 Set Value
- Reset, Pause and Ch-A-Ch-B Counting Inputs
- NPN/PNP Type Operation
- Operation with Automatic and Manual Reset
- INC,DEC,INC/INC,INC/DEC,UP/DOWN, x1 / x2 / x4 Counting with Phase Shifting Property
- Multiplication Coefficient and Decimal Point Position

SPECIFICATIONS :

INPUTS :

Counting Inputs (Ch-A,Ch-B): Switch, Proximity, Capacitive sensor or encoder can be connected.

Reset Input: Switch, Proximity, Capacitive sensor or encoder can be connected.

Pause Input: Switch, Proximity, Capacitive sensor or encoder can be connected.

Sensor Type Selection: NPN or PNP can be selected.

Reset Function: Automatic or Manual.

Count Input Types and Maximum Frequency :

INC,DEC,INC/INC,INC/DEC,UP/DOWN max.20 kHz.

x1 / x2 / x4: Phase Shift(for encoder) Counting;Max.10 kHz.

Reset and Pause Input Filter : 2-50 msec (Can be adjusted in parameter.)

OUTPUT

Process Output : Relay Output (5A@250V~ at Resistive Load)

SUPPLY VOLTAGE

230 V ~ 50/60 Hz (-15%;+10%) 3VA

115V~(-15%; +10%) -3VA

24V ~ 50/60 Hz (-15%; +10%) 3VA

24V AC/DC (-%15;+%15) 4VA/4W

(Must be determined in order.)

DISPLAY :

Process Value Display :

EZM-4430 : 8 mm Red 6 digit LED Display

EZM-4930 : 13.2 mm Red 6 digit LED Display

EZM-7730 : 10.8 mm Red 6 digit LED Display

EZM-9930 : 13.2 mm Red 6 digit LED Display

Set Value Display :

EZM-4430 : 8 mm Green 6 digit LED Display

EZM-4930 : 8 mm Green 6 digit LED Display

EZM-7730 : 8 mm Green 6 digit LED Display

EZM-9930 : 8 mm Green 6 digit LED Display

LED Display : SV(Set value),OP(Output Position) LEDs.

ENVIRONMENTAL RATINGS AND PHYSICAL SPEC

Installation



Before beginning installation of this product, please read the instruction manual and warnings below carefully.

In package ,
-One piece unit
-Two pieces mounting clamp
-One piece instruction manual

A visual inspection of this product for possible damage occurred during shipment is recommended before installation. It is your responsibility to ensure that qualified mechanical and electrical technicians install this product.

If there is danger of serious accident resulting from a failure or defect in this unit, power off the system and the electrical connection of the device from the system.

The unit is normally supplied without a power switch or a fuse. Use power switch and fuse as required.

Be sure to use the rated power supply voltage to protect the unit against damage and to prevent failure.

Keep the power off until all of the wiring is completed so that electric shock and trouble with the unit can be prevented.

Never attempt to disassemble, modify or repair this unit. Tampering with the unit may results in malfunction, electric shock or fire.

Do not use the unit in combustible or explosive gaseous atmospheres. During the equipment is putted in hole on the metal panel while mechanical installation some metal burrs can cause injury on hands, you must be careful.

Montage of the product on a system must be done with it's mounting clamp. Do not do the montage of the device with in appropriate mounting clamp. Be sure that device will not fall while doing the montage.

It is your responsibility if this equipment is used in a manner not specified in this instruction manual.

Warranty

EMKO Elektronik warrants that the equipment delivered is free from defects in material and workmanship. This warranty is provided for a period of two years. The warranty period starts from the delivery date. This warranty is in force if duty and responsibilities which are determined in warranty document and instruction manual performs by the customer completely.

Maintenance

Repairs should only be performed by trained and specialized personnel. Cut power to the device before accessing internal parts. Do not clean the case with hydrocarbon-based solvents (Petrol, Trichlorethylene etc.). Use of these solvents can reduce the mechanical reliability of the device. Use a cloth dampened in ethyl alcohol or water to clean the external plastic case.

Other Informations

Manufacturer Information:

Emko Elektronik Sanayi ve Ticaret A.Ş.
Bursa Organize Sanayi Bölgesi,(Fethiye OSB Mah.)
Turkuaz Cd. No:15 16215 BURSA/TÜRKİYE
Phone : +90 224 261 1900
Fax : +90 224 261 1912

Repair and maintenance service information:

Emko Elektronik Sanayi ve Ticaret A.Ş.
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Turkuaz Cd. No:15 16215 BURSA/TÜRKİYE
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Order Information

EZM-4430	(48x48 1/16 DIN)	A	B	C	D	E	/	F	G	H	I	/	U	V	W	Z
EZM-4930	(96x48 1/8 DIN)															
EZM-7730	(72x72 DIN)															
EZM-9930	(96x96 1/4 DIN)		00	0	1	/		00				/	0	0	0	0

A Supply Voltage

2	24 V $\overline{\text{---}}$ (-%15;+%15) / 24 V $\sim$ (-%15;+%15) 50/60Hz
3	24 V $\sim$ (-%15;+%10) 50/60Hz
4	115 V $\sim$ (-%15;+%10) 50/60Hz
5	230V $\sim$ (-%15;+%10) 50/60Hz
9	Customer (Maximum 240V $\sim$ (-%15;+%10))5