Model number

FT-11-V

CE

Features

- Electronic cam-operated switch
- Cycle 0 ... 999 adjustable in increments of 10
- Adding or subtracting
- 8 outputs
- LED indicator, red
- Counter frequency 5 kHz
- Incremental signals
- Memory structure matrix 8 x 1000
- 8 tracks with max. of 500 cams
- Counting range adjustable in increments of 10, from 10 ... 1000
- Shock resistance in accordance with DIN EN 60068-2-27
- Vibration resistance in accordance with DIN EN 60068-2-6

Technical data

General specifications	
Data storage	5 year lithium battery
Programming	keypad-driven menu
Indicators/operating means	
Type	7-segment LED display, red
Number of decades	3
Display value	digit height 8 mm
Display interval	0 ... 999 adding or subtracting
Decimal point	not adjustable
Scale factor	not adjustable
Electrical specifications	
Operating voltage	90 ... 132 V AC 180 ... 264 V AC 50 ... 60 Hz (External 24 V DC supply required for outputs)
Power consumption P_0	30 VA
Input	
Counting frequency	5 kHz
Impedance	2,3 kOhm
Voltage	low: 0 ... 6 V DC , high: 16 ... 30 V DC
Operating mode	READ for checking the program WRITE for program input RUN Device operating
Output	
Transistor	8 x PNP, open collector 24 V DC , 100 mA , voltage drop < 2 V at 100 mA
Sensor supply	20,4 ... 27,6 V DC
Ambient conditions	
Ambient temperature	0 ... 50 °C (273 ... 323 K)
Storage temperature	-10 ... 50 °C (263 ... 323 K)
Relative humidity	45 ... 90 % (non condensing)
Mechanical specifications	
Connection	plug-in screw terminals , max. core cross-section 0.34 ... 1.5 mm^2
Mass	920 g
Dimensions	144 mm x 72 mm x 143 mm

Function

The FT-11-V operates in association with an incremental encoder as an electronic cam switch unit for linear and rotary motion. The operating cycle can be set in steps of 10 between 10 and 1000. Depending on the operating cycle, up to 500 cams can be set on the 8 tracks. The outputs are used to initiate the actuating elements (Solenoid valves, relays, etc.) of the machine that is to be controlled, in accordance with the operating cycle, and they also provide the coupling to higher level systems (PLCs, etc).
In addition, the FT-11-V can be used as a multi-presetting counter with 8 outputs, or as a positioning control.
When the device is used as a positioning control the outputs are used to initiate the drive (Reversal of direction of motion or change in speed) and the actuating elements.

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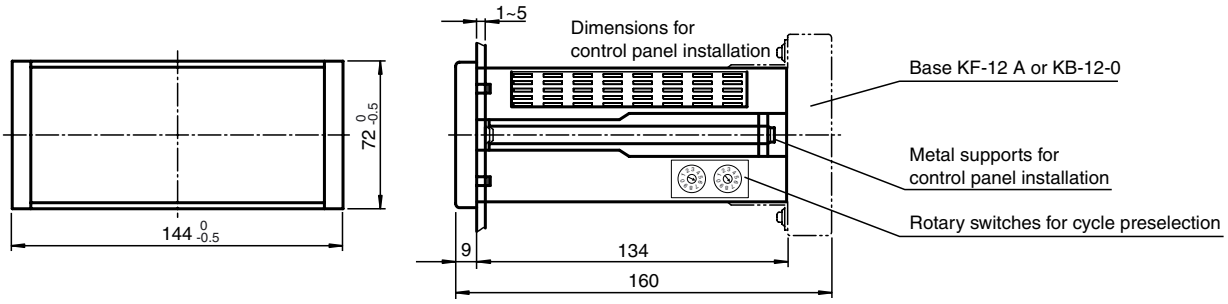
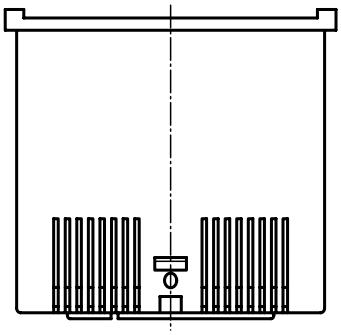
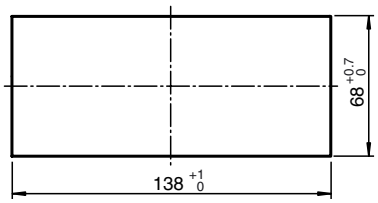
Indicating / Operating means / Dimensions

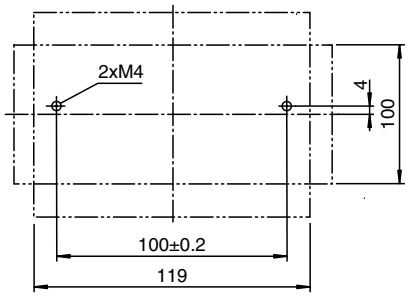




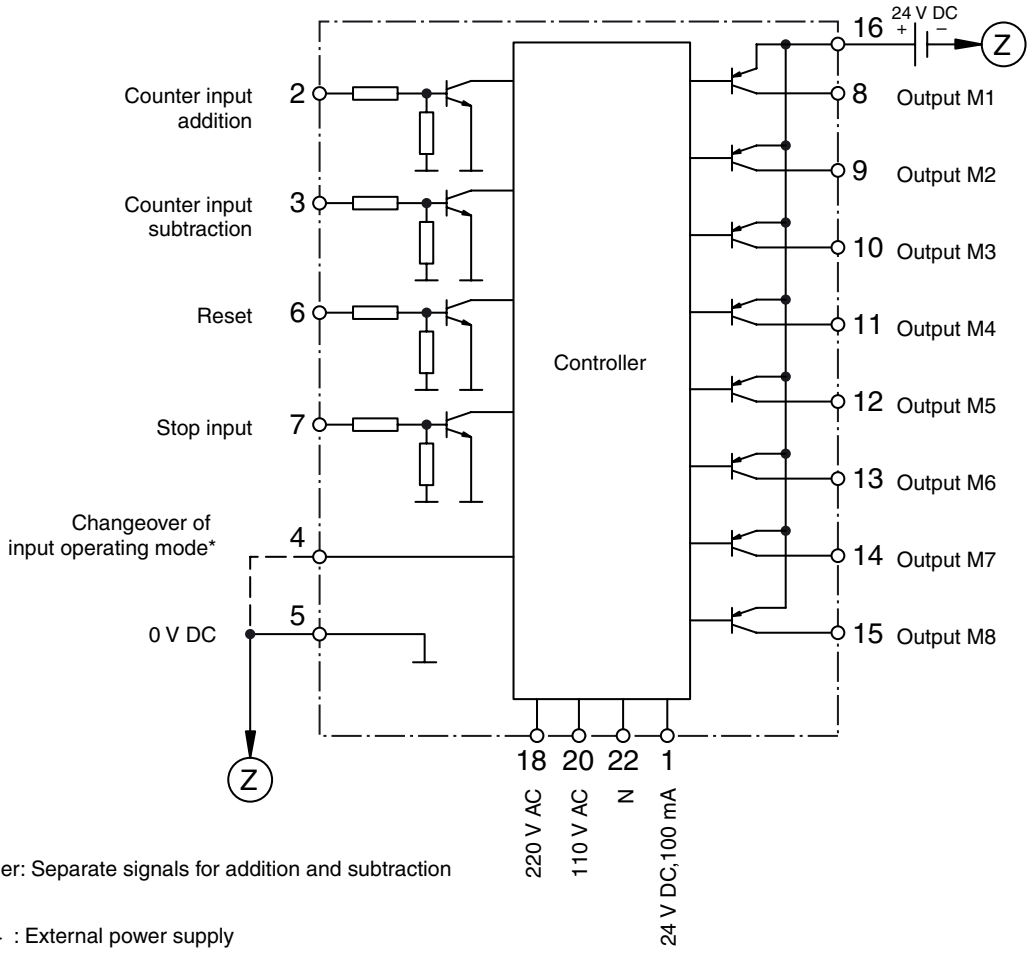
Dimensions for control panel cut-out



Details of holes in mounting base KF-12 A



Electrical connection



* With jumper: Separate signals for addition and subtraction

24 V DC + – : External power supply

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