

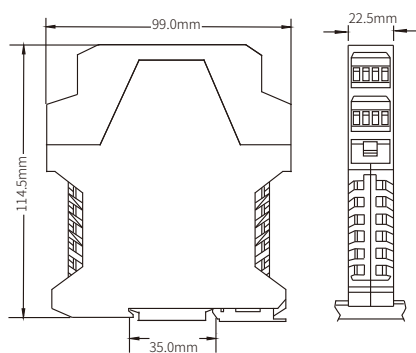
Features

24V DC independent power supply
PNP/NPN transistor output or voltage pulse output

	CZ3051 1/1	CZ3052 2/2	CZ3053 1/2
Input			
Frequency Range	≤10kHz, Duty cycle≥30%	≤10kHz, Duty cycle≥30%	≤10kHz, Duty cycle≥30%
Pulse Voltage Level	$4V \leq V_H \leq 12V, V_L \leq 1V$	$4V \leq V_H \leq 12V, V_L \leq 1V$	$4V \leq V_H \leq 12V, V_L \leq 1V$
Distribution Voltage(Specify when ordering)	No power distribution 5V or 12V or 24V@20mA	No power distribution 5V or 12V or 24V@20mA	No power distribution 5V or 12V or 24V@20mA
Output			
External Supply Voltage Vcc (Transistor output)	≤35V DC	≤35V DC	≤35V DC
Max.on-stage Current(Transistor output)	≤35mA	≤35mA	≤35mA
Transistor Collector Output	$V_H: V_{cc}, V_L: \leq 2.5V$	$V_H: V_{cc}, V_L: \leq 2.5V$	$V_H: V_{cc}, V_L: \leq 2.5V$
Pull-up Resistance	$2k\Omega \leq R_L \leq 20k\Omega$	$2k\Omega \leq R_L \leq 20k\Omega$	$2k\Omega \leq R_L \leq 20k\Omega$
Transistor Emitter Output	$V_H: V_{cc}-2.5V, V_L: \leq 0.5V$	$V_H: V_{cc}-2.5V, V_L: \leq 0.5V$	$V_H: V_{cc}-2.5V, V_L: \leq 0.5V$
Pull-down Resistance	$2k\Omega \leq R_L \leq 10k\Omega$	$2k\Omega \leq R_L \leq 10k\Omega$	$2k\Omega \leq R_L \leq 10k\Omega$
Voltage Pulse Output	$V_H: 4.5V \leq V_H \leq 24V, V_L: \leq 0.5V$	$V_H: 4.5V \leq V_H \leq 24V, V_L: \leq 0.5V$	$V_H: 4.5V \leq V_H \leq 24V, V_L: \leq 0.5V$
Load Resistance	$R_L \geq 1k\Omega$	$R_L \geq 1k\Omega$	$R_L \geq 1k\Omega$
General Parameters			
Supply Voltage	20~35V DC	20~35V DC	20~35V DC
Power Reverse Protection	Support	Support	Support
Current Consumption (Supply voltage:24V, no power distribution)	≤30mA	≤55mA	≤50mA
Dielectric Strength	1500V AC;1min	1500V AC;1min	1500V AC;1min
Insulation Resistance	≥100MΩ	≥100MΩ	≥100MΩ
EMC Standards	GB/T 18268(IEC 61326-1)	GB/T 18268(IEC 61326-1)	GB/T 18268(IEC 61326-1)
Ambient Temperature	-20°C~+60°C	-20°C~+60°C	-20°C~+60°C
Suitable Field Apparatus	2-or 3-wire voltage pulse source	2-or 3-wire voltage pulse source	2-or 3-wire voltage pulse source

Note: Voltage pulse output can be selected 5V, 12 and 24V. V_H is related to the output level. See the manual for details.

Dimensions



Connection

