## **ORDERING INFORMATION Model : JFR2**

PLEASE FILL IN THIS SECTION	FACTORY USE ONLY	
<b>↓ ↓</b>	Į Į Į	<b>↓ ↓</b>
Model	Job No.	Approved by (Sales office)
Company	Ser No. —	_
Name	Sales	lssued by (Sales office)
P/O No.		

Fill in blank sections or mark  $\Box$  with  $\checkmark$  if necessary.

PARAMETER	SET VALUE	STANDARD	COMMENTS			
INPUT TYPE	<ul> <li>Open collector</li> <li>Mechanical contact</li> <li>Voltage pulse</li> <li>Two-wire current pulse</li> <li>RS-422 line driver pulse</li> </ul>	Open collector	Choose from the list to the	ne left.		
PULSE AMPLITUDE (voltage pulse & two- wire current pulse only) DC OFFSET	V p-p (mA p-p)	MUST BE SPECIFIED MUST BE	They are required to accurately understand the input waveform. The detecting level is usually equal to the DC offset for the voltage pulse and two-wire current pulse. The maximum voltage applicable across the input terminals is 50V. The detecting level is fixed at 1V or 2V for open collector/mechanical contact.			
(voltage pulse & two- wire current pulse only)	V (mA)	SPECIFIED				
INPUT SPAN FREQUENCY fis	□ kHz □ Hz □ mHz	1000 Hz	Specify the frequency fo 2 mHz – 100 kHz (2 mHz – 10 Hz for Mec	r 100% input. hanical contact)		
OUTPUT SPAN FREQUENCY fos	□ kHz □ Hz □ mHz	1000 Hz	Specify the frequency for 100% output. 0.2 mHz – 10 kHz (0.2 mHz – 20 Hz for Noncontact AC/DC switch)			
NOISE FILTER (Not selectable for RS- 422 line driver pulse)	□ High □ Low □ No filter	Low	Choose an appropriate type of noise filter matching the input frequency range. The described accuracy may not be assured if the filter is not used.		nge.	
			INPUT FREQUENCY RANGE	INPUT SPAN FREQUENCY	NOISE FILTER TYPE	
			0 to 100 kHz	20 to 100 kHz	None	
			0 to 10 kHz	2 to 19.999 kHz	None	
			0 to 1 kHz	0.2 to 1.9999 kHz	Low	
			0 to 100 Hz	20 to 199.99 Hz	Low	
			0 to 10 Hz	2 to 19.999 Hz	Low	
			0 to 1 Hz	0.2 to 1.9999 Hz	High	
			0 to 100 mHz	20 to 199.99 mHz	High	
			0 to 10 mHz	2 to 19.999 mHz	High	
LOW-END CUTOUT	□ kHz □ Hz □ mHz	Frequency equals 0.3% of Input frequency range	Specify within 0.3% to 100% of the input frequency range. No pulse output is provided while in the low-end cutout range. Deadband in relation to the input frequency range is fixed at 1%. Minimum increment of the low-end cutout setting depends upon the Input frequency range as indicated in the table below.			
			INPUT FREQUENCY RANGE	INPUT SPAN FREQUENCY	MINIMUM INCREMENTS	
			0 to 100 kHz	20 to 100 kHz	10 Hz	
			0 to 10 kHz	2 to 19.999 kHz	1 Hz	
			0 to 1 kHz	0.2 to 1.9999 kHz	0.1 Hz	
			0 to 100 Hz	20 to 199.99 Hz	0.01 Hz	
			0 to 10 Hz	2 to 19.999 Hz	1 mHz	
			0 to 1 Hz	0.2 to 1.9999 Hz	0.1 mHz	
			0 to 100 mHz	20 to 199.99 mHz	0.01 mHz	
			0 to 10 mHz	2 to 19.999 mHz	0.001 mHz	

PARAMETER	SET VALUE	STANDARD	COMMENTS	
AVERAGING NON- UNIFORM		1	Input pulses are divided and multiplie and provided with uniform output.	d to average non-uniform input waveforms
WAVEFORM			INPUT ZERO/SPAN FREQUENCY 0 to 100 Hz or less 0 to 1 kHz 0 to 10 kHz 0 to 100 kHz	SELECTABLE RANGE 1 to 255 1 to 25 1 to 2 1 to 2 1 (no averaging)
ONE-SHOT PULSE WIDTH (option)	One−shot pulse width □ ms □ µs	400 µsec. (20 msec. for Noncontact AC/DC switch)	Specify within 30 µsec. to 300 msec.         (within 20 to 300 msec. for Noncontact AC/DC switch)	
ONE-SHOT OUTPUT LOGIC (option)	☐ H or OFF ☐ L or ON	H or OFF	Choose the one-shot pulse logic to cc	punt.

## ■ INPUT AMPLITUDE, DC OFFSET and MAX. VOLTAGE ACROSS THE INPUT TERMINALS FOR VOLTAGE PULSE INPUT

The JFR2 will not be able to detect input pulses if the input amplitude and the maximum voltage across the input terminals do not match the values in the following table:

PULSE AMPLITUDE	MAX. INPUT VOLTAGE
50 – 100 V p-p	50 V
25 – 50 V p-p	50 V
10 – 25 V p-p	25 V
5- 10 V p-p	10 V
1-5 V p-p	5 V
0.5 – 1 V p-p	1 V
0.1-0.5 V p-p	0.5 V

## EXAMPLE 1.

With the input amplitude 2 Vp-p, the maximum voltage across the input terminals is of 5V according to the above table. Offset is allowed up to 4V.



## EXAMPLE 2.

With the input amplitude 4 Vp-p, the maximum voltage across the input terminals is of 5V according to the above table. Offset is allowed up to 3V.

