ORDERING INFORMATION Model : JPQ2

PLEASE FILL IN THIS SECTION	M-SYSTEM USE ONLY	
Model	Job No.	Approved by: (Sales office)
Company	Ser No. –	
Name	Sales	Issued by: (Sales office)
P/O No.		

SOFTWARE SETTING Fill in blank sections or mark ❑ with ✔. Standard settings will be used if not otherwise specified.

ITEM	SET VALUE	STANDARD	COMMENTS
INPUT TYPE	☐ Open collector or mechanical contact ☐ Voltage pulse ☐ Two-wire current pulse	Open collector or mechanical contact	Choose from the list to the left. For open collector/mechanical contact, the detecting level is fixed at 2V.
PULSE AMPLITUDE (voltage pulse & 2-wire current pulse only)	V p-p (mA p-p)	***Must be specified***	They are required to accurately understand the input wave-form. 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 2V for open collector/mechanical contact.
DC OFFSET (voltage pulse & 2-wire current pulse only)	V (mA)	***Must be specified***	
NOISE FILTER	☐ High ☐ Low ☐ No filter	No filter	High noise filter is selectable for 10 Hz or lower ranges. For the mechanical contact input, use of the filter is recommended to eliminate unwanted counts caused by chattering. Low noise filter is selectable for up to 500 Hz. No filter is selectable for ranges exceeding 500 Hz.
INPUT ZERO COUNT Cz	Counts	0	Specify the count value for 0% input. $0 \leq Cz < Cs$
INPUT SPAN COUNT Cs	Counts	1000 counts	Specify the count value for 100% input. $Cz < Cs \leq 99999999$
COUNT MODE	☐ Rising edge only ☐ Sinking edge only ☐ Both edges	Rising edge only	Refer to the instruction manual for more information.
ALARM MODE	☐ High alarm ☐ No alarm	High alarm	Only high alarm mode is available.
ALARM SETPOINT	%	100.00%	Specify within -15.00 to +115.00% when the alarm is selected.
COUNT OVERFLOW MODE	☐ Held at 115% ☐ Held at 100% ☐ Reset	Held at 115%	Refer to the instruction manual for more information.
ALARM ON DELAY TIME AT START UP	sec.	3 sec.	Specifiy the delay time for the alarm trip after the power is turned on, within 2.0 to 1000.0 sec. if High/Low alarm is selected.
INPUT COUNT AT POWER OFF	☐ Not held (Cold Start) ☐ Held (Hot Start)	Not held	Specify either the last count before the power has been removed should be held or not (reset to zero).

LINEARIZATION Fill in the table only when the linearization is required. Refer to the example below.

INPUT (count)		OUTPUT (unit :)		INPUT (count)		OUTPUT (unit :)	
X (01)		Y (01)		X (09)		Y (09)	
X (02)		Y (02)		X (10)		Y (10)	
X (03)		Y (03)		X (11)		Y (11)	
X (04)		Y (04)		X (12)		Y (12)	
X (05)		Y (05)		X (13)		Y (13)	
X (06)		Y (06)		X (14)		Y (14)	
X (07)		Y (07)		X (15)		Y (15)	
X (08)		Y (08)		X (16)		Y (16)	

[EXAMPLE]

X (01)	0 (count)	Y (01)	4.00(mA)	X (09)	80 (count)	Y (09)	17.58(mA)
X (02)	10	Y (02)	6.37	X (10)	90	Y (10)	18.81
X (03)	20	Y (03)	8.42	X (11)	100	Y (11)	20.00
X (04)	30	Y (04)	10.25	X (12)		Y (12)	
X (05)	40	Y (05)	11.92	X (13)		Y (13)	
X (06)	50	Y (06)	13.47	X (14)		Y (14)	
X (07)	60	Y (07)	14.92	X (15)		Y (15)	
X (08)	70	Y (08)	16.28	X (16)		Y (16)	

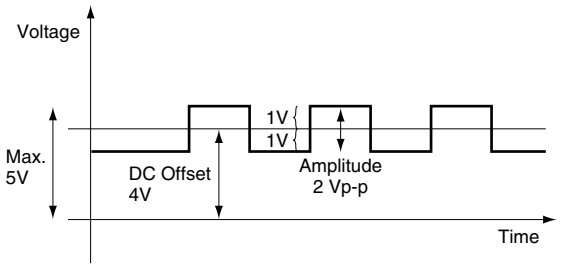
■ INPUT AMPLITUDE, DC OFFSET AND MAX. VOLTAGE ACROSS THE INPUT TERMINALS FOR VOLTAGE PULSE INPUT

The JPQ2 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 – 100V p-p	50V
25 – 50V p-p	50V
10 – 25V p-p	25V
5 – 10V p-p	10V
1 – 5V p-p	5V
0.5 – 1V p-p	1V
0.1 – 0.5V p-p	0.5V

[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.