

ORDERING INFORMATION

Model : JTY2

PLEASE FILL IN THIS SECTION



Model _____

Company _____

Name _____

P/O No. _____

FACTORY USE ONLY



Job No. _____ Approved by: _____
(Sales office)

Ser No. _____ - _____

Sales _____ Issued by: _____
(Sales office)

Specify the items you want to change. Default setting will be used if not specified.

DEFAULT shows values in case of nothing specified.

| ITEM | SET VALUE | DEFAULT | COMMENTS |
|---------------------------------|--|---------------|--|
| INPUT TYPE | <input type="checkbox"/> Open collector <input type="checkbox"/> Voltage pulse <input type="checkbox"/> Two-wire current pulse | Voltage pulse | Choose from the list to the left. The accuracy described in the data sheet may not be assured when the input waveform is not clear. |
| PULSE AMPLITUDE | V p-p (mA p-p) | 5 Vp-p | Specify these values for the voltage pulse or the two-wire current pulse input. They are required to accurately understand the input waveform. The maximum voltage applicable across the input terminals is 50V. |
| DC OFFSET | V (mA) | 2.5V | |
| INPUT ZERO DUTY RATIO dz | % | 0.00% | Specify the duty ratio for 0% input within 1 to 99% (0% included). $0\% \leq dz < ds$ |
| INPUT SPAN DUTY RATIO ds | % | 100.00% | Specify the duty ratio for 100% input within 1 to 99% (100% included). Min. 20% of the input range ($ds - dz$) required. $dz < ds \leq 100\%$ |
| ALARM MODE | <input type="checkbox"/> High alarm <input type="checkbox"/> Low alarm <input type="checkbox"/> No alarm | High alarm | Choose from the list to the left. |
| ALARM SETPOINT | % | 100.00% | Specify within -15.00 to +115.00% if High/Low alarm is selected. |
| ALARM DEADBAND | % | 1.00% | Specify within 0.00 to 20.00% if High/Low alarm is selected. |
| ALARM ON DELAY TIME AT START UP | sec. | 3 sec. | Specify 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. |
| NO INPUT DETECTING TIME | sec. | 1 sec. | Specify within 0.1 to 100.0 sec. The transmitter forcibly provides 0% or 100% output depending on the input status if no input is detected for a preset time period. |
| PULSE LOGIC | <input type="checkbox"/> Non-inverted <input type="checkbox"/> Inverted | Non-inverted | Valid duty ratio Non-inverted: Hi level for voltage/current pulse OFF for open collector Inverted: Lo level for voltage/current pulse ON for open collector |
| MOVING AVERAGE CYCLES | cycles | 4 cycles | Specify how many samples are to be used for moving average calculation, within 1 to 30 cycles. Discarded Hi samples + Discarded Lo samples < Moving average cycles |
| DISCARDED HI SAMPLES | samples | 1 sample | Specify how many of the highest samples to be discarded from moving average calculation, within 0 to 10 samples. |
| DISCARDED LO SAMPLES | samples | 1 sample | Specify how many of the lowest samples to be discarded from moving average calculation, within 0 to 10 samples. |

| INPUT (unit :)*1 | | OUTPUT (unit :)*2 | | INPUT (unit :)*1 | | OUTPUT (unit :)*2 | |
|-------------------|--|--------------------|--|-------------------|--|--------------------|--|
| 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) | |

*1. Clearly specify either '%' (input data in %) or 'duty ratio %' (duty ratio in %) as input data. *2. Output data in % is acceptable.

EXAMPLE

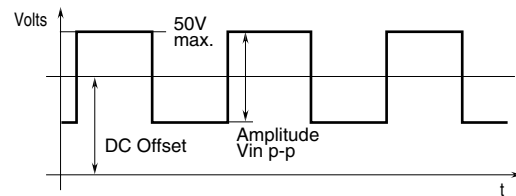
| | | | | | | | |
|--------|----------|--------|-----------|--------|--------|--------|-----------|
| X (01) | 0.00 (%) | Y (01) | 4.00 (mA) | X (09) | 80.00 | Y (09) | 1758 (mA) |
| X (02) | 10.00 | Y (02) | 6.37 | X (10) | 90.00 | Y (10) | 18.81 |
| X (03) | 20.00 | Y (03) | 8.42 | X (11) | 100.00 | Y (11) | 20.00 |
| X (04) | 30.00 | Y (04) | 10.25 | X (12) | | Y (12) | |
| X (05) | 40.00 | Y (05) | 11.92 | X (13) | | Y (13) | |
| X (06) | 50.00 | Y (06) | 13.47 | X (14) | | Y (14) | |
| X (07) | 60.00 | Y (07) | 14.92 | X (15) | | Y (15) | |
| X (08) | 70.00 | Y (08) | 16.28 | X (16) | | Y (16) | |

INPUT PULSE LOGIC

| INPUT TYPE | PULSE LOGIC | WAVEFORM |
|--|--------------|----------|
| Voltage pulse Two-wire current pulse ON current (H) OFF current (L) | Non-inverted | |
| | Inverted | |
| Open collector | Non-inverted | |
| | Inverted | |

The pulse logic is applied to the bold lined section of the waveform.

Voltage pulse waveform



Two-wire current pulse waveform

