Honeywell TC-MDP081

Honeywell TC-MDP081 Pulse Input, 8 Channel Input/2 Channel Output
Parameter Specification
Number of Inputs 8
Number of Outputs 2 (Note-1)
Input type Floating; optically isolated
Output Type (2 output channels) 500mAmp; optically isolated
Frequency Range 0 - 100 kHz
Input Voltage 0 to 30 VDC selectable between:
High Range: Counts based on input transitions at approx. 8.80 V
Low Range: Counts based on input transitions at approx. 3.25V
Input Edge Selection Each channel configured to sense an on-to-off transition based upon the leading edge or the trailing edge of the pulse
Input Voltage Hysteresis High Range: 1.1V approx. 12.5% typical
Low Range: 0.90V approx. 27% typical
Max. Input Current 12.5 mA
Typical Input Current Low Range: 2mA
High Range: 6mA
Input Channel Function
Channels 0 through 5
Channels 6 and 7
Frequency and pulse length (pulse length measurement selectable between high, low or period)
Accumulated value, frequency and target values
Counter Size 32 bit
Power Dissipation 7.0 watts max
Isolation Voltage 1500Vdc terminal block to backplane
1500Vdc channel-to-channel
Connection Terminal Blocks TC-TBCH, 36-position terminal block
Note-1: The first six channels (0-5) do not have any outputs. The Off/On outputs are associated with the last
two channels (6 and 7). User sets a target value and the output transitions from OFF to ON state when the
input reaches the target.

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