INFI 90 HARMONY SOE

Product Data Sheet

IMSET01

sequence-of-events timing module

MODULE SUPPLY	SUPPLY CURRENT	DIGITAL INPUT CHANNELS	INPUT VOLTAGES
5 V DC ±5%	**350 mA typical; 500 mA maximum**	**16 optically isolated channels**	**24, 48 or 125 V DC ±10%; 120 V AC ±10% for control logic only**

ABB IMSET01 is a sequence-of-events timing module for the INFI 90 and Harmony distributed SOE system. It processes digital field inputs and receives time-synchronization information for event recording in compatible process-control configurations.

01 VERIFIED TECHNICAL DATA

Module supply	5 V DC ±5%
Supply current	350 mA typical; 500 mA maximum
Digital input channels	16 optically isolated channels
Input voltages	24, 48 or 125 V DC ±10%; 120 V AC ±10% for control logic only
Typical input current	5 mA at 24 V DC; 4 mA at 48 or 125 V DC
Minimum turn-on voltage	21.6 V at 24 V DC; 43.2 V at 48 V DC; 112.5 V at 125 V DC
Maximum turn-off voltage	10 V at 24 V DC; 20 V at 48 V DC; 50 V at 125 V DC
Off-state leakage current	1.5 mA maximum
Channel-to-channel isolation	350 V DC / V RMS
Channel-to-system isolation	1000 V DC / V RMS

Values follow the unit photographs and applicable documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

DC input response	1.1 ms fast; 18 ms slow, typical
Processor	16-bit DSP 2101, 10 MHz
Instruction cycle	100 ns
External memory	64 KB boot EPROM; 64 KB RAM
FIFO capacity	512 bytes

03 DOCUMENTED USE SETTINGS

Electricity Generation and Power Production Automation: Thermal Electric Power Generation.

Chemical Manufacturing and Continuous Process Production: Industrial Chemical Process Automation.

Oil Refining and Natural Gas Processing: Petroleum Refining Process Automation.

04 SYSTEM COMPATIBILITY

ABB IMSET01 is a sequence-of-events timing module for the INFI 90 and Harmony distributed SOE system. It processes digital field inputs and receives time-synchronization information for event recording in compatible process-control configurations.

05 PRODUCT EVIDENCE

ABB Distributed Sequence of Events WBPEEUI240768A1; Harmony SOE WBPEEUD240008A2

AMIKON PRODUCT SUPPORT

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