

**MODEL ANN1-M MODBUS® BASED 16-CHANNEL ALARM ANNUNCIATOR**

**STANDARD FEATURES**

- Σ **16 Channels of MODBUS® Addressable LED's**
- Σ **5 Channels of Dry Contact Inputs**
- Σ **1 Sinking DC Output**
- Σ **12-24 VDC Operation**
- Σ **RS485 MODBUS® Input**
- Σ **Low Power Consumption**
- Σ **1/4 DIN Panel Mount or Nema 4X Enclosure**



**DESCRIPTION**

The Sigma Controls ANN1-M is a 16 channel alarm indicator in a 1/4 DIN panel or enclosure mounted case. High intensity red LED's are addressable via the integral R485 MODBUS® port. The unit has a user selected node address and integral pre-selected registers.

One (1) point is available for dry contact input. Typically for a reset/silence switch.

Four (4) points are available for dry contact inputs. These inputs activate an LED that is also used by one of the MODBUS® points (an 'OR' function). All 16 alarm lights may be operated via MODBUS®.

One (1) 24VDC sinking output is available. Triggered by a MODBUS® bit, this is typically used for a buzzer or alarm relay.

The Ann1-M is well suited to MODBUS® networks where a local alarm annunciator is required for operator notification.

Unique alarm messages can be generated with common label printers such as Brother 'P' Touch; approximately 3/8 X 1-1/4 inch space is available for alarm message labels, or if information is provided with order, Sigma Controls will provide preconfigured overlay.

**SPECIFICATIONS**

Alarm Displays (LED)	16 each, 16 LED's for MODBUS®, 4 for User Dry Contact Inputs
Display	High Intensity Red LED
MODBUS® RTU	RS485 Slave required for Operation via RJ-45 Jack
Enclosure1	1/4 DIN ABS 96 X 96 X 85 MM
Nema eX	Gasketed Bezel
Compression Screw Terminals	(User Inputs) 16 X 16 AWG Wire Size
No Programming Required	
MODBUS® Node	Assignment via USB-RS485 Dongle or specify when ordering
Chassis and Boards	Remove from Front of Case
Message Labels	Free of Charge

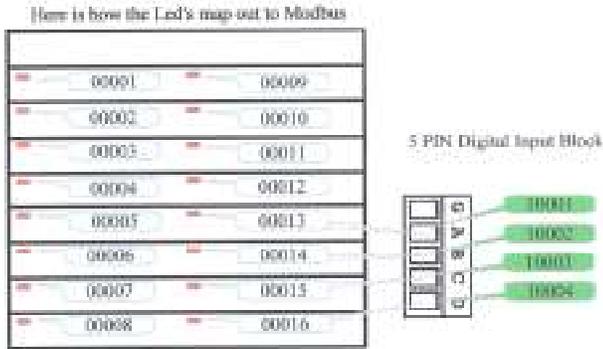
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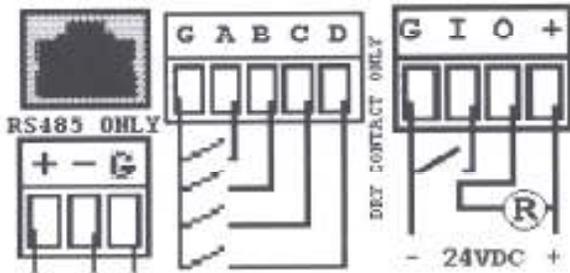
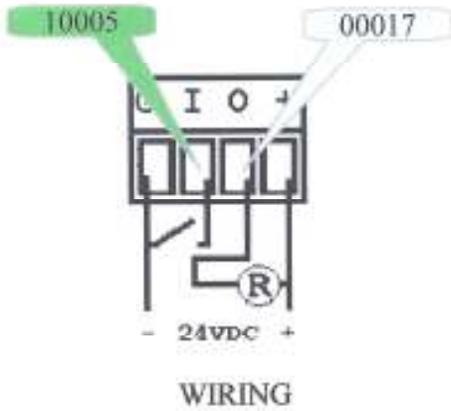
## ANN1 MODBUS® MAPPING

00001 – 00032 WRITE ADDRESSES TO ANN1

10001 - 10016 READ ONLY ADDRESSES FROM ANN1

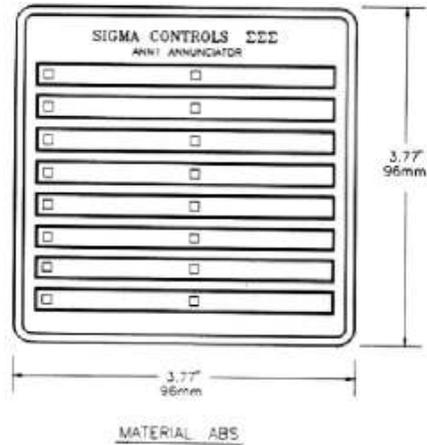
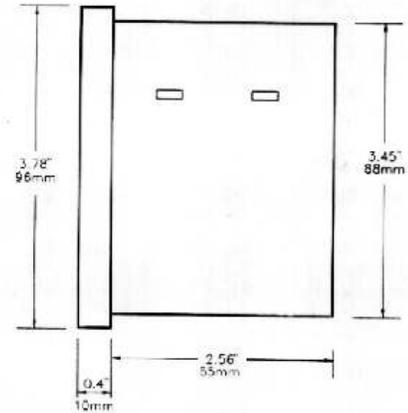


4 PIN Input/Output and power



PH: 215-257-3412  
 FAX: 215-257-3416  
 EMAIL: sales@sigmacontrols.com

## DIMENSIONS



## MODEL NUMBERING

16 Channel Annunciator  
 1/4 DIN Case (Panel  
 Mount).....ANN1-M-P

16 Channel Annunciator  
 in Nema 4X Wall Mount Enclosure.....ANN1-M-N

Add Desired Node Address,  
 Default is .....ANN1-M-5