

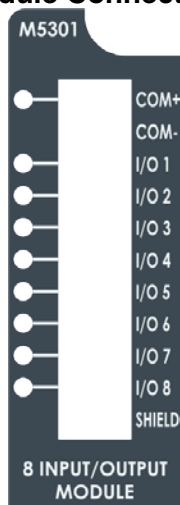
M5301 8 Input / Output Module



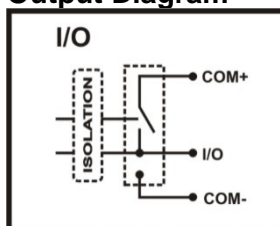
Module Description:

General	8 x isolated digital I/O
Isolation	>500V from indicator to module
I/O Power Supply COM+, COM-	12VDC to 24VDC Maximum voltage (without damage): 30VDC
I/O Input	Input ON: $\geq 8V$ Input OFF: $\leq 3V$ Pulse counting: 300Hz maximum
I/O Output	Maximum current (each I/O): 400mA ON voltage drop: 150mV

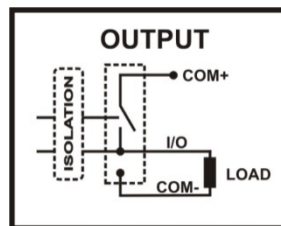
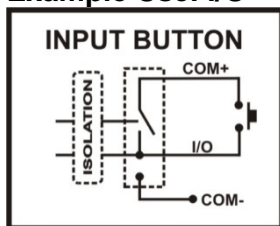
Module Connections



Output Diagram



Example Use: I/O



M5301 SETUP

The indicator should be switched OFF before installing or removing this device.

Modules are configured using the indicator setup. Setup can be done via the indicator keypad or the viewer program. An overview of setup is given below; see the indicator Reference manual for detailed setup information.

The indicator provides both configuration checking and testing capabilities for the M5301. This is found in the SET.PTS, SPEC and TEST setup menus. See the indicator Reference manual.

K501 SOFTWARE SETUP

Input Output Settings

M5301: The 8 I/O are configured to be IO1 to IO8 in the indicator. M5301 I/O override the 2 I/O on the M5401.

Output

(i) Setup. . . .SET.PTS (Refer to Reference manual for settings)

Input

(i) Setup. . . .SPEC. IN.FN. (Refer to Reference manual for settings)

Testing

(i) Setup. . . .TEST. IO-1.4\IO-5.8 (Refer to Reference manual for settings)

M5301 TROUBLESHOOTING

The M5301 has 8 I/O annunciators and 1 Power annunciator which help with troubleshooting. These annunciators are shown on the Module Connections figure above.

Problem	Possible solutions
Input\Output not working. M5301 power annunciator not lit.	Check M5301 I/O power supply (COM+, COM-).
Input not working. M5301 I/O annunciator not lit.	Check M5301 I/O power supply (COM+, COM-). Check wiring.
Input not working. M5301 I/O annunciator lit.	Check indicator setup. Use indicator test functions (TEST:IO-1.4\IO-5.8). Check if duplicate module is installed.
Output not working. M5301 I/O annunciator not lit.	Check indicator setup. Use indicator test functions (TEST:IO-1.4\IO-5.8). Check if duplicate module is installed.
Output not working. M5301 I/O annunciator lit.	Check wiring.
M5301 not working. UNKNOWN MODULE shown at startup.	The indicator may require a software update. Contact your supplier for the latest software.