

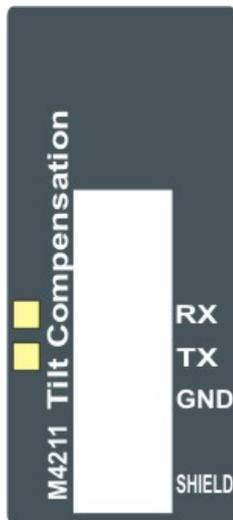


# M4211 Tilt Compensation

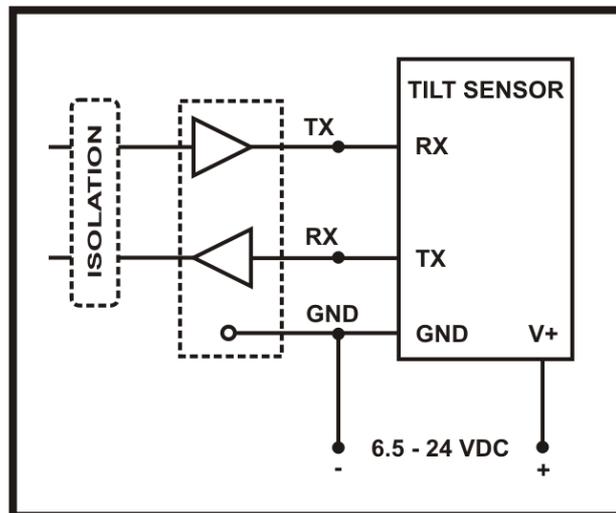
## Module Description:

General	Tilt Compensation Module
Isolation	>500V from indicator to tilt sensor
Power Supply	Internal
Baud rate	9600
Parity	None
Data bits	8
Stop bits	1
Compatible Tilt Sensors	<ul style="list-style-type: none"> <li>• Rinstrum M4904 Tilt Sensor</li> <li>• HL-Planar Technik NS-10/PL2-S</li> <li>• HL-Planar Technik NS-15/PL2-S</li> </ul>

## Module Connections



## Interface Diagram:



## M4211 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. See the indicator Quick Start or Reference manuals for detailed setup information.

## K491 SOFTWARE SETUP

### Display Current Angles

(i) Setup. . . . H.WARE. . . . TILT.HW. . . . ANGLE. . . .

### Display Current Compensation Factor

(i) Setup. . . . H.WARE. . . . TILT.HW. . . . FACTOR. . . .

### Set User Zero

(i) Setup. . . . H.WARE. . . . TILT.HW. . . . ZERO. . . .

Note: The sensor must be within  $\pm 5$  degrees of factory zero.

### Restore Factory Zero

(i) Setup. . . . H.WARE. . . . TILT.HW. . . . F.ZERO. . . .

Note: This will reset the user zero to the factory calibrated zero.

## M4211 TROUBLESHOOTING

The M4211 has 2 annunciators which help with troubleshooting. These annunciators are shown as yellow on the Module Connections figure above.

Problem	Possible solutions
Error E0040 Displayed M4211 receive annunciator not lit.	Check wiring. Check tilt sensor power supply wiring.
Zero and Factory Zero functions not working M4211 transmit annunciator lit.	Check wiring. Check tilt sensor power supply wiring.