

Industrial Mouse® **for** **Serial Port Applications**

When the CTI Electronics Industrial Mouse® is connected for use in a Serial Port, there are a number of configuration options that will be considered.

Drawing Number 811665
Sheet 1 of 2

Mechanical Configurations:

The Industrial Mouse for Serial Port is available in any of the following configurations: M9 Series, M2 Series, H2 Series and F8 Series.

This document shows the M2 Series Industrial Mouse for all the detailed applications examples. The M9, H2 and F8 Series may be substituted for any of the detailed applications shown.

Communications Protocols:

There are two standard "Absolute Position" serial protocols available for the Industrial Mouse for Serial Port. One protocol supports the operation of the joystick only (Protocol IJ054C, CTI Drawing 811625C), and one protocol supports the operation of both the joystick and the 3 discrete switches that are included in the Industrial Mouse (Protocol IJ054A, CTI Drawing 811625A). The use of one of these protocols will require the writing of a software driver by the user.

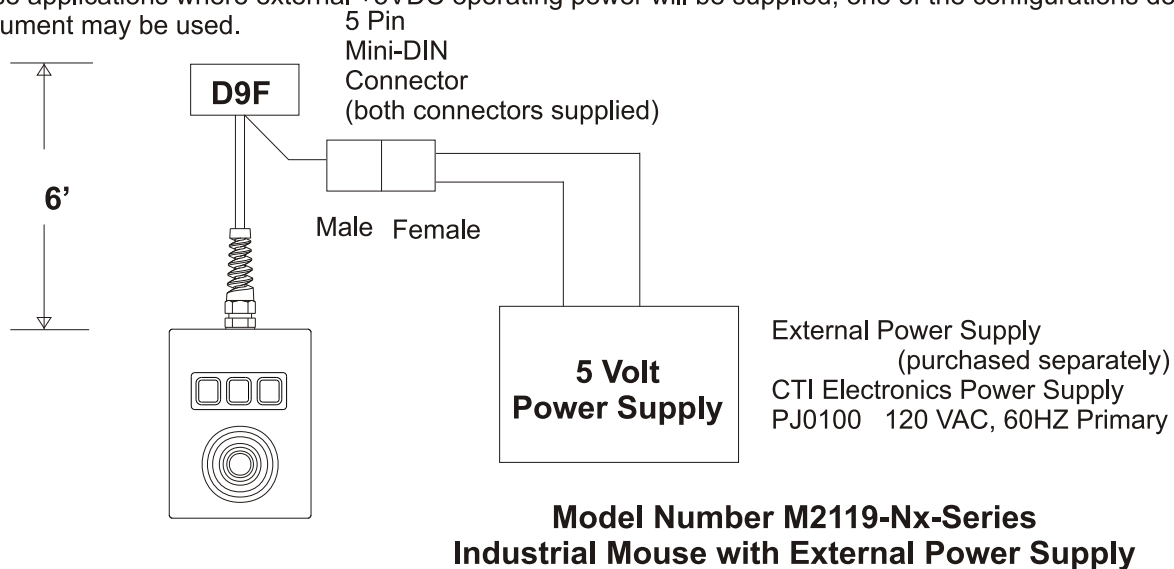
A third available software protocol is the standard Microsoft Serial Mouse.

Operating Power:

Many Serial Ports do not have the +5VDC power required to power connected peripheral equipment. The Industrial Mouse requires +5VDC for operation, and if that power is not supplied through the Serial Port connection, then it must be externally sourced.

For those applications where the +5VDC power for the Industrial Mouse will be provided through the Serial Port, please consult Applications Engineering at CTI Electronics for the appropriate configuration and Model Number for your particular application. (M2019 Series).

For those applications where external +5VDC operating power will be supplied, one of the configurations detailed in this document may be used.



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