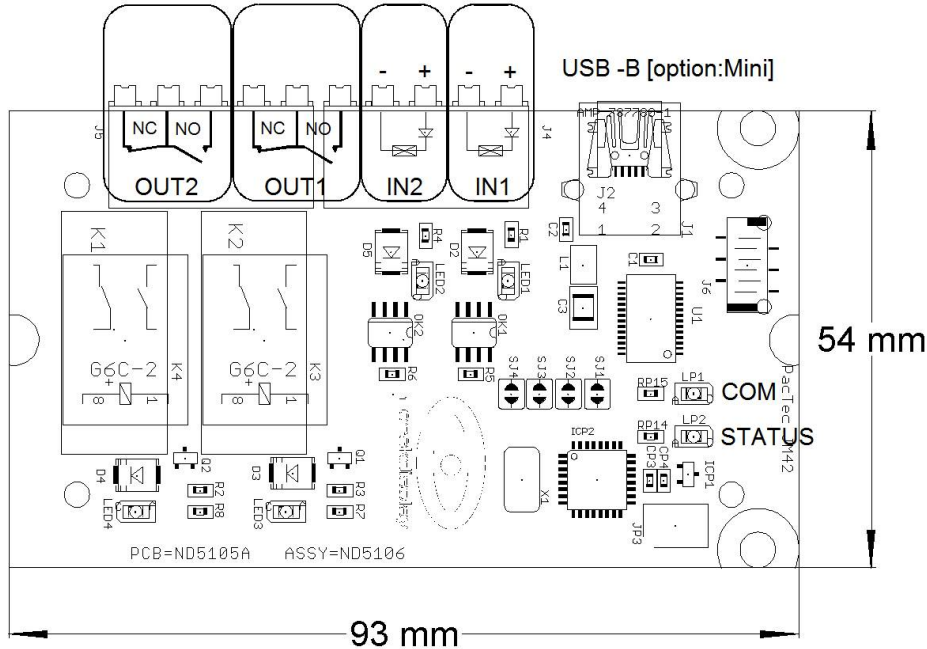


NAME: ND5106 USB-I/O RELAY
 VERSION: 1.1B



DESCRIPTION

USB-I/O Relay is a 2 input and 2 output control unit for PC control. By incorporating optocouplers as galvanic isolation on the inputs and up to 10A relay outputs, this unit will handle demanding tasks in domestic and industrial environments. Simple to use drivers and DLLs will allow you to control these through your USB port on any instrument or PC. Bus powered operation simplify installation and enhance reliability.

USE

Installation of drivers for USB is normally required. Possibility of driving more than one unit from the same USB port allow many appliances to be controlled by a single PC/controller.

Virtual Communication Port is used with a command structure at 9600,N,8.

Description	Command	Response	Comment
Write Channel Data	<STX>Wny<ETX>	<STX>Wny<ETX>	n is channel no '5' or '6', y is '0' or '1'
Read Channel Data	<STX>Rn<ETX>	<STX>Rny<ETX>	n is channel no '1' or '2', y is '0' or '1'
Read Status	<STX>S<ETX>	<STX>Sz<ETX>	z is 8 bit binary; bit0=Ch1...bit7=Ch8

Channel 1 and 2 are inputs; Channel 5 and 6 are outputs/relays

MOUNTING

The system MUST be properly grounded to fulfil required CE-conformity. Grounding through connected equipment may be sufficient.

Cables used should be 0,2 – 1,5mm², stripping length is 8 mm.

See detailed information for USB driver at <http://www.ftdichip.com/Products/FT232R.htm>

Technical Data

	USB IO Relay
Overall Size PCB	L93 x W54 x H16 mm
Voltage	5VDC through USB cable
Current Consumption	Max 120mA
Input voltage trig	8V at 3 mA (minimum signal for inputs)
Output Current	NO+NC 10A/250VAC resistive load (reduce for inductive)



OPTION: Enclosure PACTEC JM42