

DSX Access Systems, Inc.

DSX-OX4 at Comm Server

DSX-OX4 Activated by Comm Server

The DSX-OX4 can be used at the Comm Server and have its relays activated by Action Messages assigned to Inputs that are transmitted on Status Change or Alarm. The action message must include specifically formatted command strings which can affect an output of the OX4. The Trigger can be an alarm or status change of an input. The input could be any input within any Location in the database.

To do this, connect the OX4 to a DSX-USB Module Connected to the Comm Server like in the drawing on page 2. In DataBase, create Action Messages with the properly formatted command strings, assign the action message to the Inputs under the ASCII Out tab and include the specific USB or Serial Comm Port number. An output of the OX4 can open, secure or pulse from the command string within the action message.

Examples of what an OX4 output can do include:

An input status change or alarm can trigger the Comm Server to send a message out a USB/serial port to the OX4 to turn on, off or pulse one of the relay outputs. The Relay in turn could be wired to an input on a DSX Controller in a different location to create a linking event in an unrelated location to the first input change or alarm. The relays could also be used to connect to a different system all together or control something electrically. The DSX-OX4 is put in a "non-pollled" mode of operation for this application, see jumper J1. J1 should be moved to the right as shown on the drawing on the next page.

Below is an example of how the Action Messages are defined. The OX4 provides 4 outputs A3, A4, B3, B4. Only one DSX-OX4 can be connected per serial or USB port. Multiple OX4s could be driven by multiple serial or USB ports.

!O_device_io_state - used to turn outputs on and off (! = start character, O = Output Control, 0 = Side A / 1 = Side B, 3 = output 3 / 4 = output 4, 0 = Open / 1 = Secure, (period)= termination character) (O is the letter and 0 is Zero) (the O and the P must be capitalized)

!P_device_io_seconds – used to pulse outputs (P = Pulse, seconds = 1 to 64000)

Examples: These example apply to Output A3, A4, B3, and B4.

!O 0 3 1. = Set output A:3 Secure / !O 0 3 0. = Set output A:3 Open

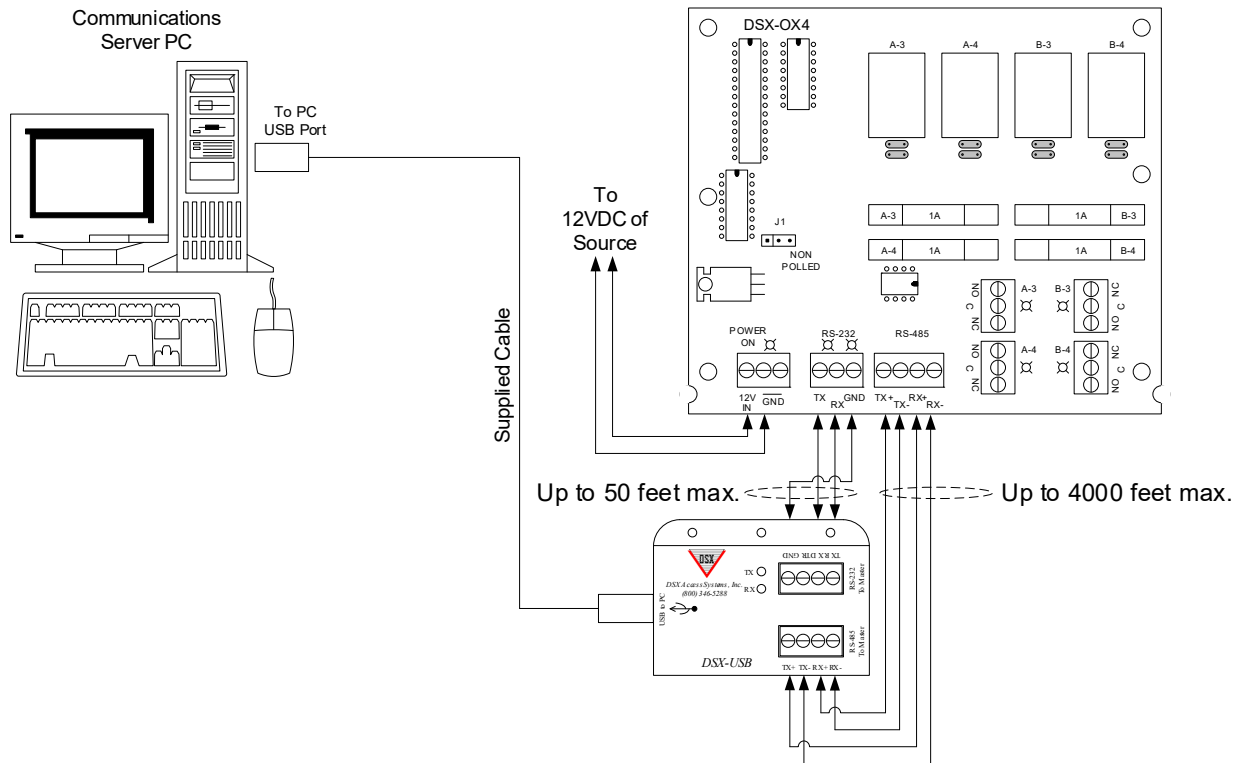
!O 1 4 1. = Set output B:4 Secure / !O 1 4 0. = Set output B:4 Open

!P 0 3 15. = Pulse output A:3 for 15 seconds / !P 0 3 2. = Pulse Set output A:3 for 2 seconds

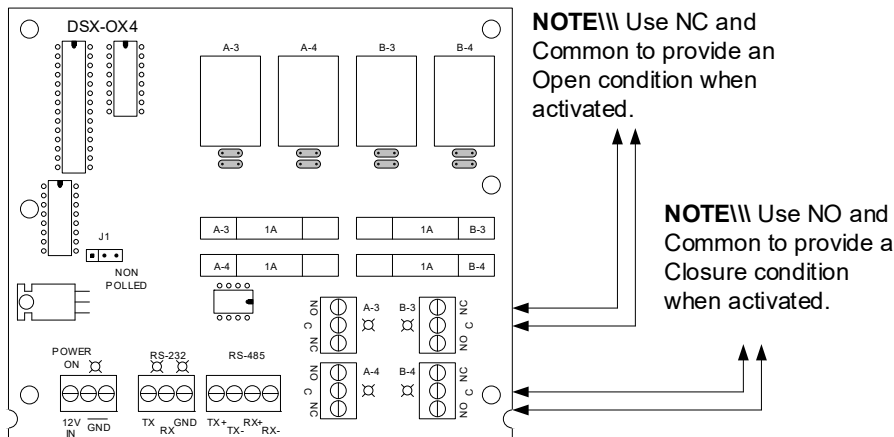
!P 1 4 20. = Pulse output B:4 for 20 seconds / !P 1 4 5. = Pulse output B:4 for 5 seconds

Any Input within the DSX system can have an Action Message to trigger an OX4 output. Multiple Ports can be used to drive Multiple OX4s.

Connecting the DSX-OX4 to the Comm Server



Connecting the DSX-OX4 to the 3rd Party Product



NOTE If you need more than the DSX-OX4 can provide consider the DSX-CRT. The DSX-CRT can receive a concise and secure packet over the customers network and translate it to a card read or a pulsed output. The CRT is a gateway for other systems such as Visitor Management, Facial Recognition, Temp and Mask Verification, Parking, or other applications to send a Card Read or Access request or even an alarm to DSX.