EMX IRB-RET to 1050 Wiring Diagram and Programming

IRB-RET

VRX

VRX

2W

4W

10K

RX&TX

BRIDGE

1050 - External Radio Connector

680Ω

(38) 12V

(39) Open

(40) Close

(41) Gnd

1050 - Aux 1 Input

(16) In1

(17) Gnd

1050 - Aux 2 Input

(18) In2

(19) Gnd
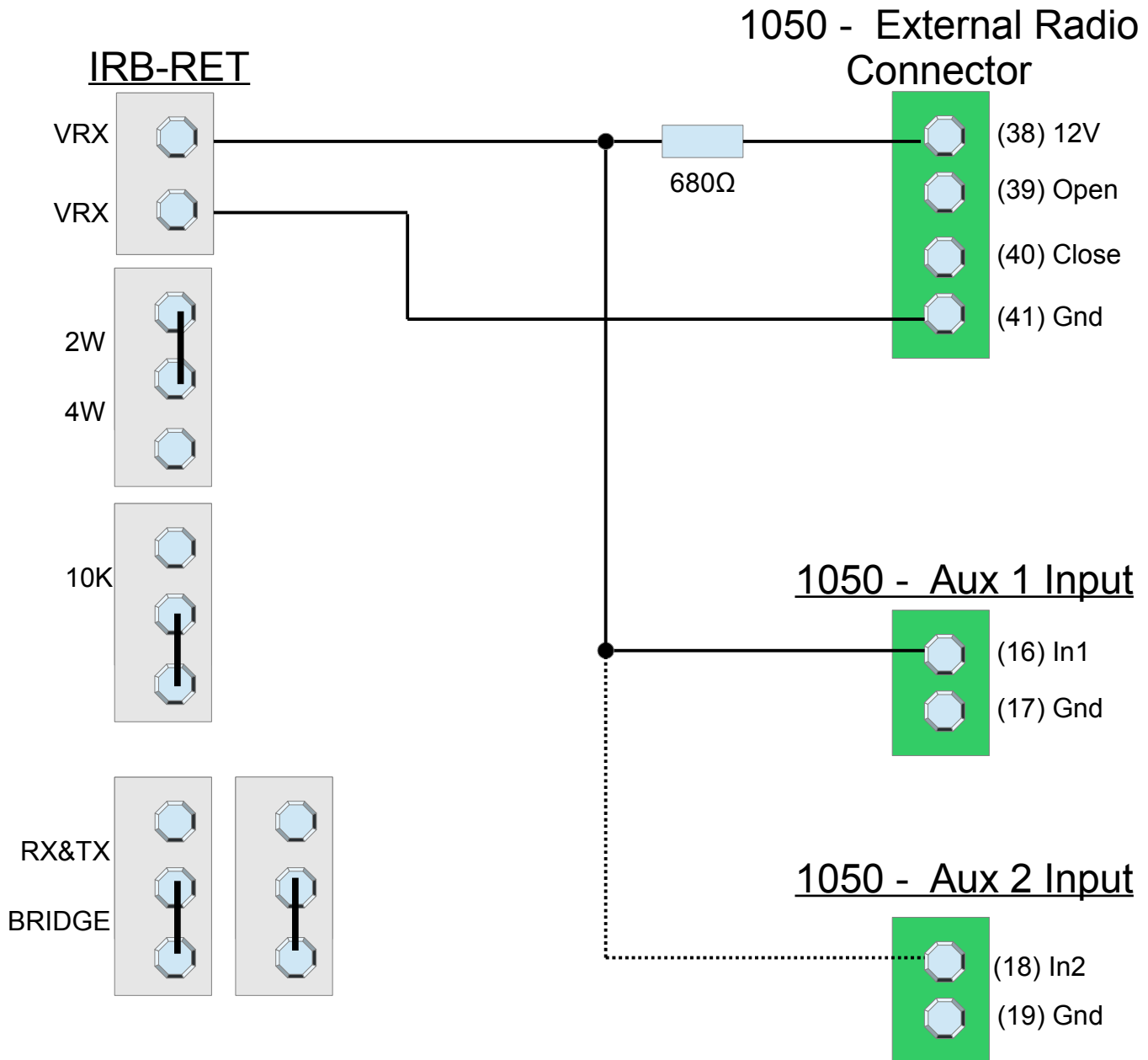
IRB-RET RX Switch Settings
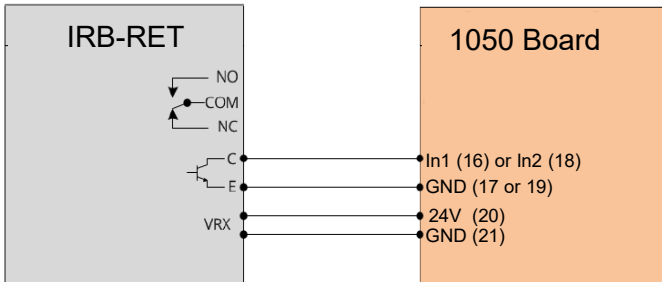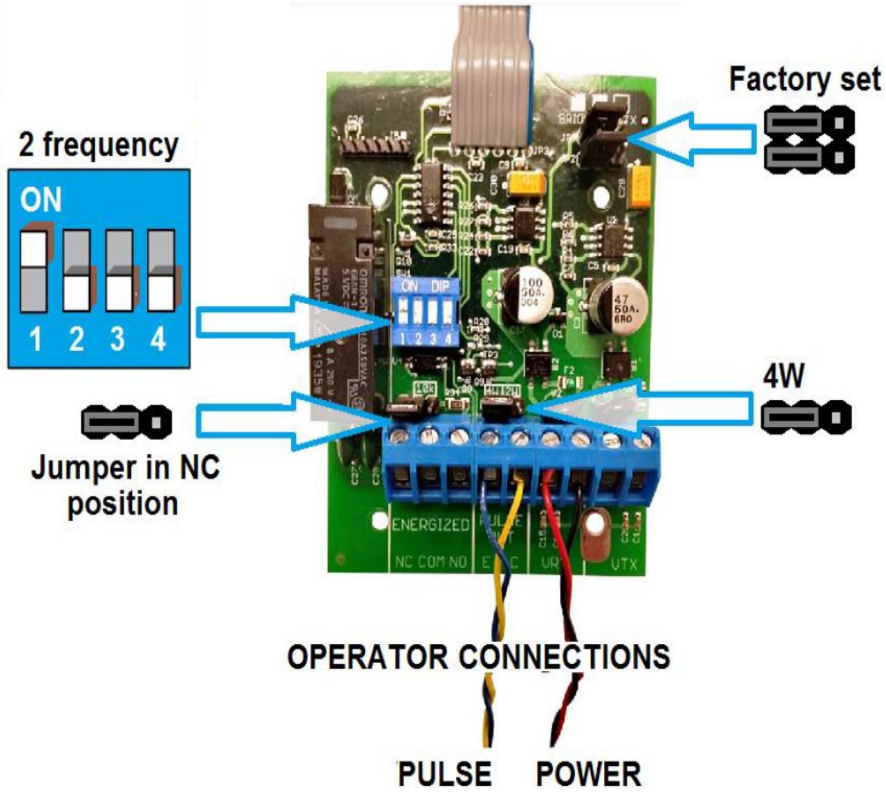
SW1 – OFF
SW2 – ON
SW3 – OFF
SW4 – OFF

1050 Gate Operator Aux1/ Aux2 Input Programming

1. Press "Learn"
2. Navigate to "Auxiliary IO"
3. Select "In Aux 1" (or "In Aux 2").
4. Navigate to "EMX Option" and select it. UL input response is triggered when beam is obstructed.
5. Aux 1 and Aux 2 inputs need to see 300Hz oscillating input if selected else UL input response is triggered.

IRB-RET to 1050 - PULSE Monitored

IRB-RET set-up for 4-wire pulsed operation

2 frequency

ON

1 2 3 4

Jumper in NC position

Factory set

4W

OPERATOR CONNECTIONS

NC COM NO   E   C   VR   VTX

PULSE   POWER

IRB-RET

NO
COM
NC
C
E
VRX

1050 Board

In1 (16) or In2 (18)
GND (17 or 19)
24V (20)
GND (21)

1. Press "Functions"
2. Select #3 "Auliliary IO" and Press "OK"
3. Select "In Aux1" or "In Aux2" and Press "OK"
4. Select "Pulse Safety" or "Pulse Entrap" and Press "OK"
5. Connect 300Hz Monitored Safety Device to In1 (16) or In2 (18) accordingly

Notes:
*"Pulse Safety" and "Pulse Entrap" options are only available on UL325 6th Edition 1050 boards. (FW: 01.06.00)
*Only one monitored (Pulse) device may be connected per input at In1 or In2.
*At least one monitored device must be connected properly to 1050 boards that are UL325 6th Edition in order for board to complete the "Learn" mode. A "BlueBus Error" will result if this requirement is not met.