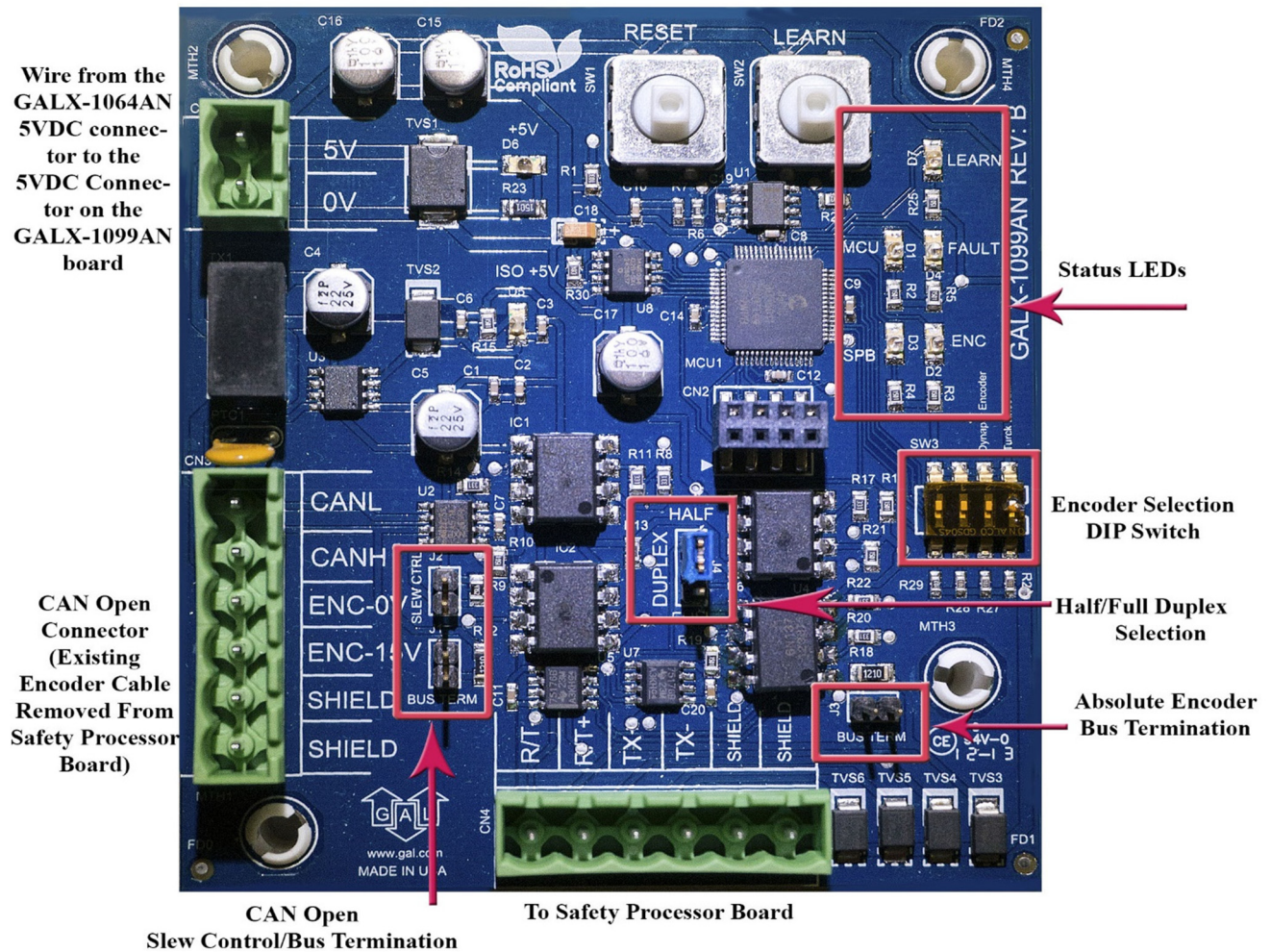


GALX-1099AN – RS485 Absolute Encoder to CAN Open Adapter



The GALX-1099AN Board is intended to retrofit systems with RS485 Absolute Encoders to the newest CAN Open encoders. The kit (ENCO-0050N) comes with an encoder, cables and this document.

The installation is very simple, replace the RS485 encoder with the new CAN Open encoder and use the adapter cable to connect to the existing encoder cable to the new encoder. The cable's opposite end is then wired to the CAN Open Connector on the GALX-1099AN board. The RS485 Encoder Connector on the GALX-1099AN board connects to the existing encoder input on the controller. Wire from the **GALX-1064** 5VDC connector to the 5VDC connector on the **GALX-1099AN** board.

Encoder Selection DIP Switch (down is "ON" in picture):

Wachendorff Encoder – **SW1 OFF - SW2 OFF**

Turk Encoder - **SW1 ON - SW2 OFF**

Dynapar Encoder - **SW1 OFF - SW2 ON**

20K Baud - **SW3 OFF – SW4 OFF**

50K Baud - **SW3 OFF – SW4 ON**

125K Baud - **SW3 ON – SW4 OFF** *Wachendorff*

250K Baud - **SW3 ON – SW4 ON** *Turck*

Status LEDs:

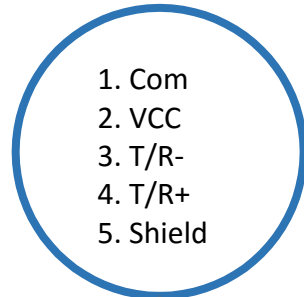
MCU Flashing – Board is working OK

SPB Flashing – Safety Processor Communicating

ENC Flashing – Can Open Encoder Communicating

Existing Encoder Circuit

RS485 Absolute Encoder



Existing Encoder Cable

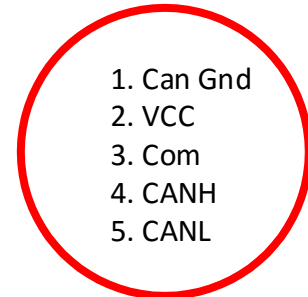
CN3 *

R/T+ (Yellow) 0V (White) Shield
R/T- (Green) VCC Fuse (Brown)

**GALX-1066
Safety Processor**

New Encoder Circuit

CAN Open Encoder

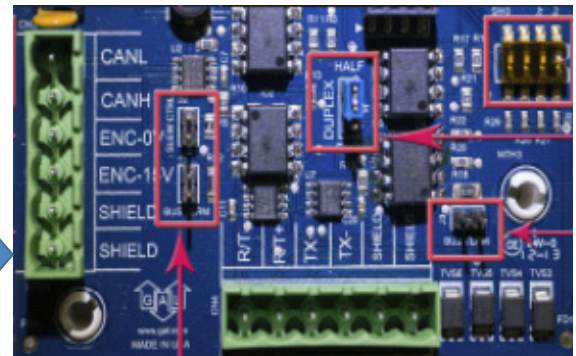


CAN Open Adapter Cable

Existing Encoder Cable

CN3 *

Yellow
Green
White
Brown
Shield



CN4

Shielded Pair

CN3

R/T+ is wired to R/T+
R/T- is wired to R/T-
Shield is connected on both ends

**GALX-1066
Safety Processor**

*** WARNING**

Because of wide variations in encoder cables it is essential that you verify the connections to CN3 above. For example the wires for CANL/CANH can be Yellow/ Green or Green/Yellow - please swap the wires if needed.

Please ensure the Bus Term jumper is in place for proper communications.