



A750-MOD WIRELESS DIN TRANSCEIVER

RF WIRELESS MULTIPOINT TRANSCEIVER

The Model A750-MOD is an RF transceiver with RS232/485 input/output. The transceiver can communicate with the 700 series transmitters and can be used in a point-to-point or multipoint system. The RS232/485 input/output can communicate with PLCs, HMIs and SCADA systems using Modbus RTU. An alarm relay is used to alert the user to RF link communication or power failure errors. Three radio options are available: long range 900MHz 1W, 900MHz 50mW and 2.4GHz 63mW.



TECHNICAL SPECIFICATIONS

Receiver Specifications

INPUT:

RS232/RS485 Modbus RTU; Modbus can be 2-wire or 4 wire

OUTPUT:

RS232/RS485 Modbus RTU, one RF link alarm relay with N.O. and N.C. contacts. Contact ratings: 0.5 A at 125 VAC, 2 A at 30 VDC

RECEIVER SENSITIVITY:

900MHz 1W: -110 dBm (@ 9600 BPS) 900MHz
Optional 900MHz 50mW: -100dBm
Optional 2.4GHz: -102dBm

RF POWER:

900MHz 1 Watt (+30 dBm) FHSS
Optional 900MHz 50 mW (+17 dBm) FHSS
Optional 2.4GHz 63mW (+18 dBm) DSSS

POWER

11 to 32 Vdc 5 watts maximum

OPERATING TEMPERATURE RANGE:

-40 to +85° C

RF ENCRYPTION:

Optional 256 bit (max)

FEATURES

- 35 mm DIN Rail Mount
- Removable 2.0dBi dipole antenna
- DIP switch selectable channels
- Signal Strength indicator
- Repeaters available

APPLICATIONS

- Tank level monitoring
- Temperature monitoring
- Alarms

Ordering information:

900MHz 1W: A750-MOD
900MHz 50mW: A750-LP-MOD
2.4GHz 63mW: A750-ZG-MOD

Specify hardware interface when ordering: RS232, RS485 2-wire, RS485 4-wire

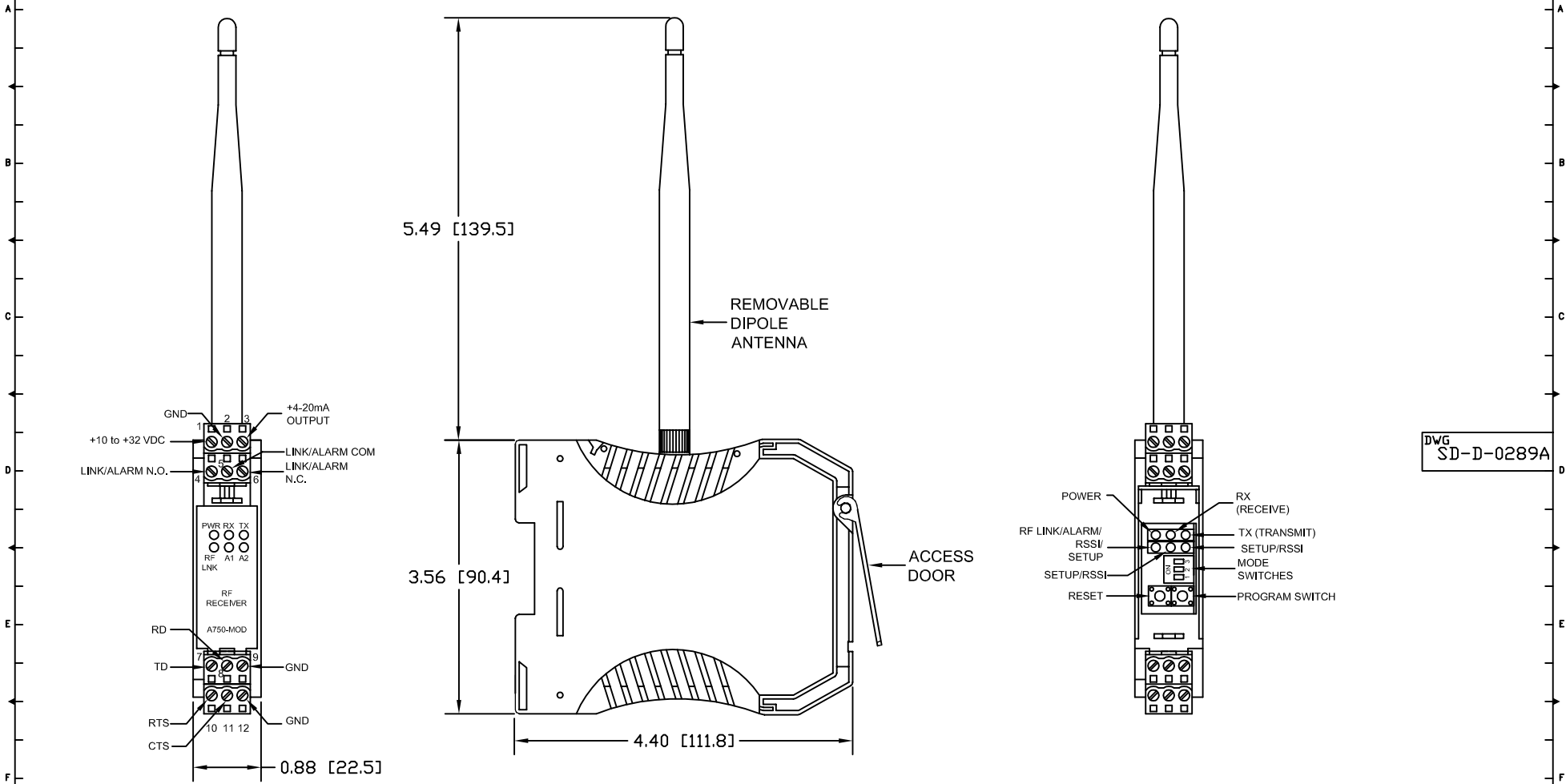
Rev. W2

DWG. NO.
SD-D-0289A
REVISIONS

FRONT VIEW

SIDE VIEW

INDICATORS/SWITCHES
ACCESS DOOR OPEN



DWG
SD-D-0289A

NOTE:
1) DIMENSIONS IN INCHES [MILLIMETERS].

QUOTE OR ORDER NUMBER			Analylnk Wireless, LLC 790 CROSS POINTE ROAD COLUMBUS, OHIO 43230		
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED			TITLE		
DIMENSION TOLERANCES UNLESS OTHERWISE SPECIFIED			RF DIN RS232/485		
FOR			A750-MOD		
BASIC DIMENSIONS			FRACTIONAL		
UP TO 6			+/- 1/64		
OVER 6 TO 24			+/- 1/32		
OVER 24			+/- 1/16		
SCALE			DO NOT SCALE DRAWING WORK TO DIMENSIONS		
DRAWN			DATE		
RML			03/15/09		
CHECKED			DATE		
APPROVED			DATE		
FILE NAME SD-D-0289A			NEXT ASS'Y		DWG NO. SD-D-0289A