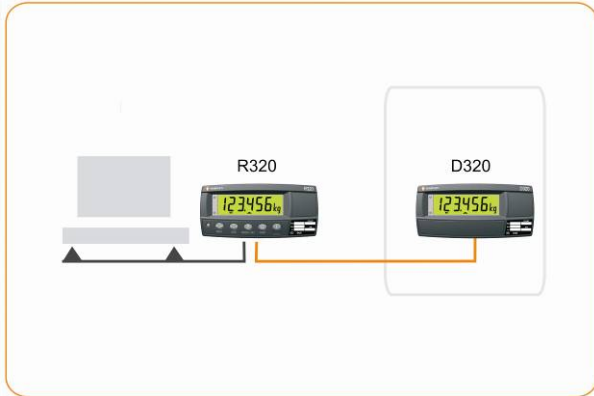# Application Note: R300 Indicator connected to D300 Remote Display

Application

In this example an R320 (or R323) indicator is being controlled by an operator in a control room and a display of the weight reading is required in another area. The D320 remote display mimics the indicator display – using the Master Format.

- The D320 Remote Display is connected to the R320 using RS232 serial communications to transmit the weight reading.
- The RS232 communications port is standard on an R320.
- The solution could use either the ABS housing (R320 and D320) or the stainless steel housing (R323 and D323).
- All units are available in panel mount or standalone housings and DC/AC or battery can be selected depending on the application.
- The R320 could be used to drive a large remote display like the D740 (20mm super bright LED) or D640 (20mm electromechanical flip digits) if the application required it.

Components

ABS Housing Options

R320-K302-A
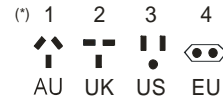Panel Mount
Indicator

D320
Panel Mount Display
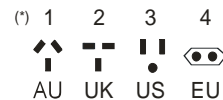

Power and Mounting

M3001
Desk Mount

M3003
IP65 Desk Mount

M3103
IP65 ABS Desk
Stand and Battery
Pack, NiMH 2.5 AH

(*) 1   2   3   4

AU   UK   US   EU

A1002*
110-240VAC
transformer to a
2.1mm DC connector

(*) 1   2   3   4

AU   UK   US   EU

A1000*
110-240VAC
transformer to bare
wires

Stainless Steel Housing Options
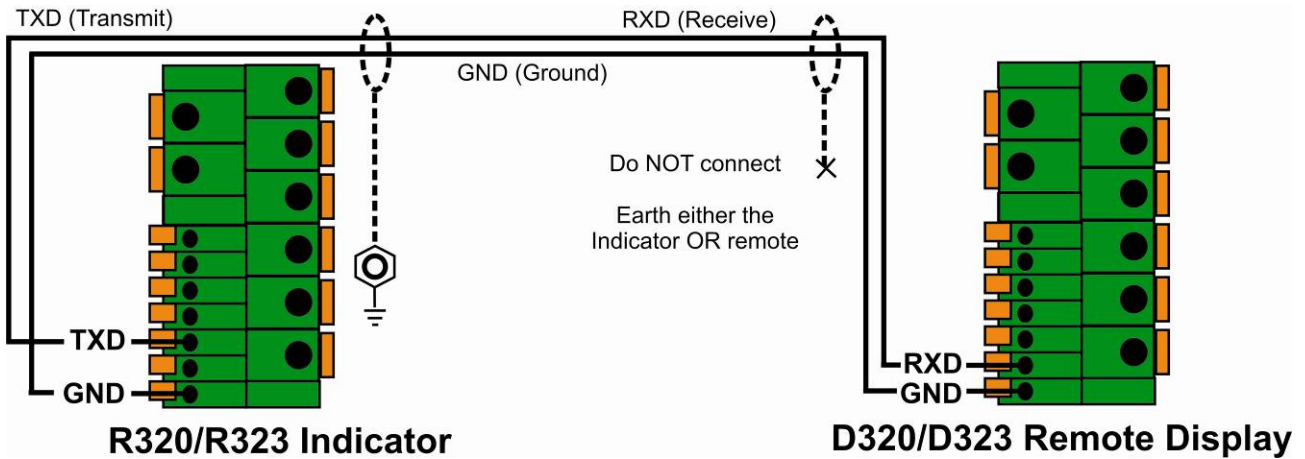
R323-K302-A
Panel Mount Display
Stainless Steel

D323
Panel Mount Display
Stainless Steel

Connections :

Configuration :

Indicator R320 or R323 Set Up:

GROUP (GRP)	ITEM (ITM)		Set to	
SERIAL	TYPE	Serial Output Type	AUTO	
	FORMAT	Serial Output Format	MASTER	
	BAUD	Serial Baud Rate	9600	Serial data transmission speed is set to 9600
	BITS	Serial Format Options Position 1: Parity Position 2: Data Bits Position 3: Stop Bits Position 4: DTR Handshake	N = Parity Bit is set to none 8 = Data Bits is set to 8 1= Stop Bits is set to 1 -= Data Terminal Handshake is disabled.	

Remote Display D320 or D323 Set Up:

There is no configuration required for the D320/D323 Remote Display.