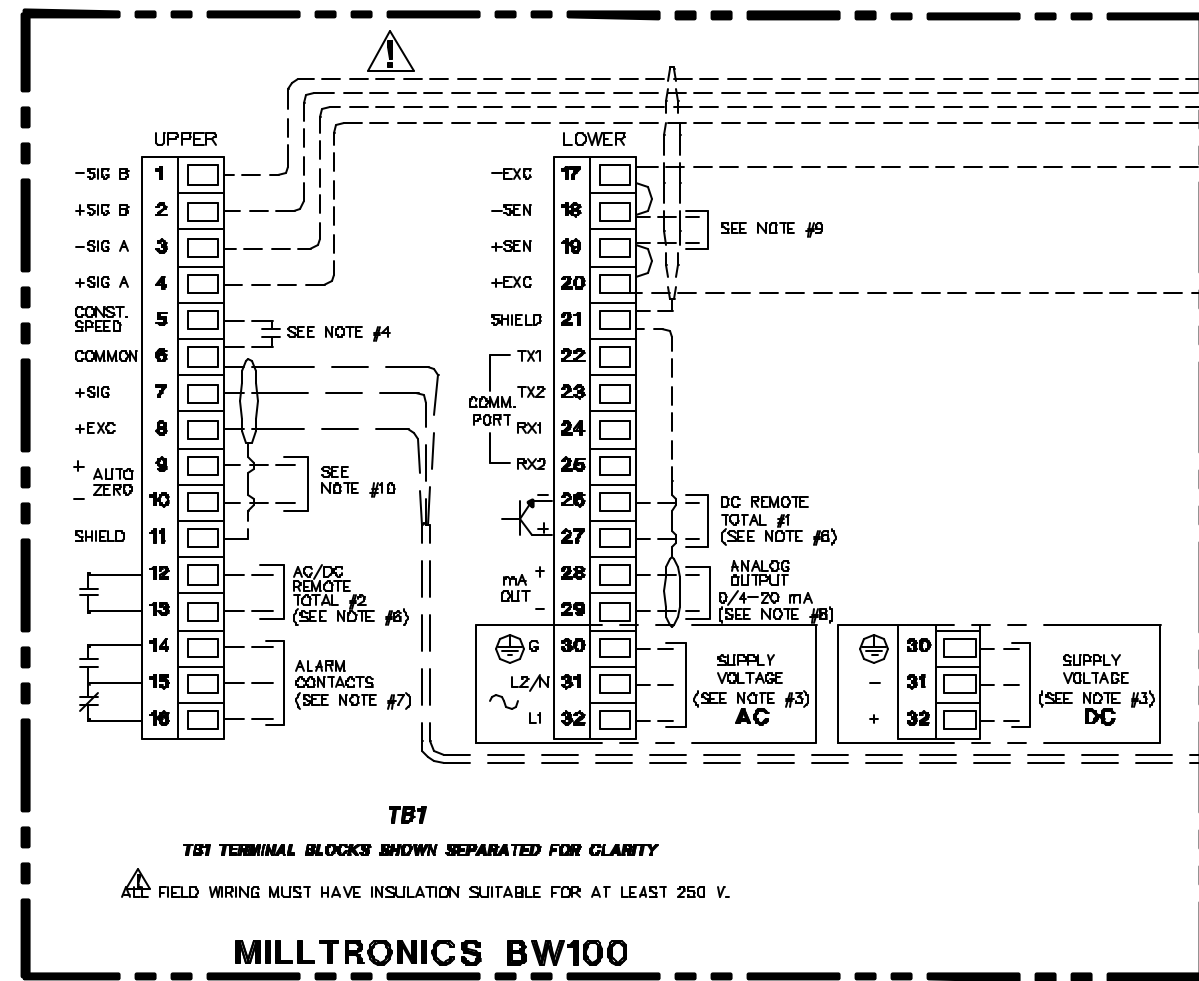


**SEE INSTRUCTION MANUAL FOR PROPER OPERATION.**

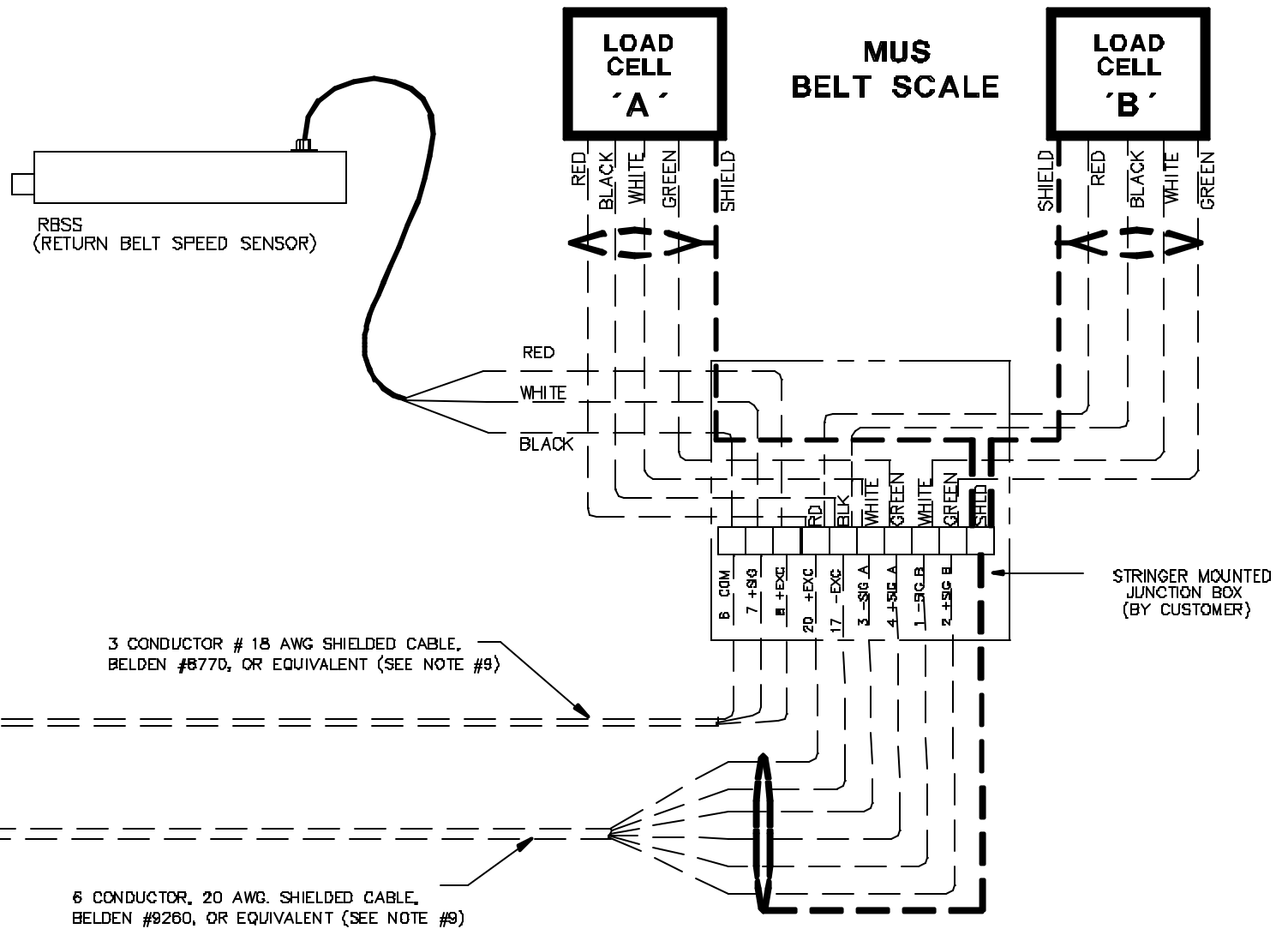


**TB1**

TB1 TERMINAL BLOCKS SHOWN SEPARATED FOR CLARITY

FIELD WIRING MUST HAVE INSULATION SUITABLE FOR AT LEAST 250 V.

**MILLTRONICS BW100**



**NOTES:**

- 1) ALL WIRING MUST BE DONE IN CONJUNCTION WITH APPROVED CONDUIT, BOXES AND FITTINGS AND TO PROCEDURES IN ACCORDANCE WITH ALL GOVERNING REGULATIONS. ALL SIGNAL WIRE MUST RUN IN SEPARATE CONDUIT FROM CONTROL WIRES. GROUND SHIELD ONLY AT BW100.
- 2) ALL WIRING SHOWN BY END USER.
- 3) FOR AC VERSION: POSITION SW1 FOR 100/115/200/230 VAC OPERATION, 50/60 HZ, 15 VA.  
FOR DC VERSION: CONNECT APPROPRIATE VOLTAGE (12 OR 24) TO TERMINAL 32 (+) AND 31 (-).
- 4) IF NO SPEED SENSOR IS USED, CONNECT CONSTANT SPEED TO COMMON WHEN CONVEYOR IS RUNNING.
- 5) WIRING SHOWN IS FOR INSTALLATIONS THAT MAY BE SUBJECT TO VARIABLE SIDE TO SIDE LOADING OF PRODUCT ON THE BELT. WIRING SHOWN ALLOWS USE OF THE AVAILABLE LOAD CELL BALANCING FEATURE.
- 6) TOTAL #1 RATING 100 mA @ 24 VDC, USE 2 CONDUCTOR #18 AWG SHIELDED CABLE. TOTAL #2 RATING 100 mA @ 230 V DC OR AC.
- 7) ALARM CONTACTS RATED AT 5A @ 250 VAC, NON-INDUCTIVE.
- 8) FOR ANALOG OUTPUT, USE 2 CONDUCTOR #18 AWG SHIELDED CABLE.
- 9) OPTIONAL WIRING CONFIGURATION: USE SEPERATE 6 CONDUCTOR #20 AWG SHIELDED CABLE FOR LOAD CELL CONNECTIONS LESS THAN 100m (300ft). FOR CABLE RUNS OF 100m (300FT) TO 300m (1000FT), USE 8 CONDUCTORS TO ALLOW CONNECTION OF -EXC TO -SEN AND +EXC TO +SEN AT LOAD CELLS.  
USE SEPERATE #18 AWG SHIELDED CABLE FOR SPEED SENSOR FOR CABLE RUNS UP TO 300m (1000ft).
- 10) CONNECTION OF TERMINALS 9 TO 10 WILL CAUSE SELF INITIATED AUTOMATIC ZERO WITH CONVEYOR BELT RUNNING EMPTY. USE 2 CONDUCTORS #18 AWG SHIELDED CABLE TO REMOTE CONTACT.
- 11) IF LOAD CELLS ARE SUPPLIED WITH SENSE WIRES, TERMINATE BROWN WITH BLACK AND BLUE WITH RED, AT JUNCTION BOX.
- 12) FOR FURTHER DETAILS REFER TO THE INSTRUCTION MANUALS.

USE DIMENSIONS ONLY - DO NOT SCALE		1	ACUMASS REBRANDED TO MILLTRONICS REPLACES DRAWING Q-7340016Z-DI-B	JLC	RDC	JULY 24/03
DIMENSIONS ARE IN MILLIMETERS		Rev.	Revision / ECN Description	Drawn	Appr.	Date
Third Angle Projection		Product Group MASS DYNAMICS		Tolerance Unless Otherwise Noted: UNLESS 1 Place Decimal N/A 2 Place Decimal N/A 3 Place Decimal N/A		Scale: NONE
FOR INTERNAL USE ONLY		Date: 11/09/98	TITLE: MILLTRONICS BW100 WITH MUS BELT SCALE & RBSS INTERCONNECTION DIAGRAM			
		Drawn: R. CLYSDALE	DRAWING No: 23650442			
		Checked: P. RICCI	Rev. 1			
		Approved: R. CLOSS	Sheet 1 of 1			
Location: PETERBOROUGH		SIEMENS MILLTRONICS PROCESS INSTRUMENTS INC. Peterborough, Ontario, Canada		Plot at: 1:1		Sheet 1 of 1
File No. 2365044201						