



- NOTES**
- 1) ——— DENOTES WIRING BY SIEMENS MILLTRONICS.  
 - - - - - DENOTES WIRING BY CUSTOMER.  
 CUSTOMER TO REMOVE APPLICABLE JUMPERS.  
 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 BE RUN IN SEPARATE CONDUIT FROM CONTROL WIRES.
  - 2) USE 6 CONDUCTOR #20 AWG SHIELDED CABLE FOR LOAD CELL CONNECTIONS LESS THAN 150m (500ft). FOR CABLE RUNS OF 150m TO 300m, USE 8 CONDUCTORS TO ALLOW CONNECTION OF -EXC TO -SEN AND +EXC TO +SEN AT LOAD CELLS.
  - 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) THE MD SPEED SENSOR IS A UNIDIRECTIONAL DEVICE. CLOCKWISE ROTATION PRODUCES PULSES AT TERMINAL #2. COUNTER-CLOCKWISE ROTATION PRODUCES PULSES AT TERMINAL #3. CONNECT JUMPER BETWEEN TB1-5 & TB1-6 IF THE MD SPEED SENSOR IS REMOVED.
  - 5) GROUND SHIELDS ONLY AT MILLTRONICS BW100.
  - 6) TOTAL #1 RATING 100 mA @ 24VDC, USE 2 CONDUCTORS 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 SHIELDED CABLE.
  - 9) 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.
  - 10) FOR FURTHER INFORMATION REFER TO THE BW100 OR MD SPEED SENSOR INSTRUCTION MANUAL OR CONTACT THE NEAREST SIEMENS MILLTRONICS REPRESENTATIVE.

USE DIMENSIONS ONLY - DO NOT SCALE		2	ACCUMASS REBRANDED TO MILLTRONICS REPLACES DRAWING 0-73400117-DI-B	JLC	RDC	JULY 24/03
DIMENSIONS ARE IN MILLIMETERS		Rev.	Revision / ECN Description	Drawn	Appr.	Date
Third Angle Projection	Product Group	Tolerance Unless Otherwise Noted: U05		Scale:	Size:	
	MASS DYNAMICS	1 Place Decimal	N/A	Angles:	NONE	
FOR INTERNAL USE ONLY	Date:	2 Place Decimal	N/A	Rev. 2		
	Drawn:	3 Place Decimal	N/A	TITLE:		
	Checked:	MILLTRONICS BW100 & MSI C/W MD-36A/MD-256 SPEED SENSOR INTERCONNECTION DIAGRAM				
	Approved:	DRAWING No: 23650440		Rev. 2		
Location: PETERBOROUGH		SIEMENS MILLTRONICS PROCESS INSTRUMENTS INC. Peterborough, Ontario, Canada		Pkt at: 1:1		Sheet 1 of 1
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