



ITEM	QTY.	UNIT	DESCRIPTION	DRAWING
1	1	EA	SICK "ZIM" INTERFACE MODULE 2B1110	29-086
2	1	EA	SICK POWER CABLE	29-062
3	1	EA	SICK WL2000 SENSOR	29-256
4	1	EA	90 DEG SICK EXTENSION CABLE	29-212
OR	2	EA	180 DEG SICK EXTENSION CABLE	29-212
5	1	EA	SICK "ZIM" INTERFACE MODULE BRKT	B41579-00-000H
6	1	EA	FULL LINE SENSOR BRKT	B41580-00-000H
7	1	EA	REFLECTOR BRKT	B41566-00-000H
8	1	EA	SICK REFLECTOR PL30A	29-057
9	2	EA	#8-32 X 0.5" LG RHMS	23-166
10	2	EA	#8 FLAT WASHER	23-099
11	2	EA	#8 LOCK WASHER	23-100
12	5	FT	0.375" AIR LINE (SHIP LOOSE) (90°)	24-062
OR	10	FT	0.375" AIR LINE (SHIP LOOSE) (180°)	24-062

CURVE PROTECTION SET-UP INSTRUCTIONS:

- 1) MOUNT THE WL2000 SENSOR IN THE 2ND ZONE DOWNSTREAM OF THE CURVE, OR THE 4TH ZONE IF THERE ARE BACK TO BACK END ASSEMBLIES OF A 190CCA CABLE CONVEYOR AFTER THE CURVE.
- 2) CONNECT THE POWER CABLE OF THE WL2000 SENSOR TO THE LOCATION SHOWN IN THE ZIM MODULE (TB4).
- 3) CONNECT THE FEMALE ENDED CABLE FROM THE ZIM MODULE INTO THE ZLM-1 MODULE FOR THE 1ST ZONE BEFORE THE CURVE.
- 4) CONNECT THE MALE ENDED CABLE FROM THE ZIM MODULE ONTO AN EXTENSION CABLE THAT CONNECTS TO THE FIRST ZONE AFTER THE CURVE.
- 5) NOTE- IF THE CONVEYOR BEFORE THE CURVE AND THE CONVEYOR AFTER THE CURVE HAVE SEPARATE POWER SUPPLIES, THEN CONNECT AN 8" LONG ISOLATOR CABLE BETWEEN THE FIRST TWO ZONES BEFORE THE CURVE TO PREVENT ANY FEEDBACK OF VOLTAGE.
- 6) CHECK TO SEE THAT THE WL2000 SENSOR IS SET TO "LIGHT OPERATE" MODE.
- 7) ADJUST THE DIP SWITCHES TO "5 SECONDS OFF" ON THE OFF TIMER DELAY IN THE WL2000. THIS SHOULD ALLOW A CASE TO PASS BY THE SENSOR WITHOUT ACTUATING THE ZONE BEFORE THE CURVE. WHEN THE SENSOR IS BLOCKED FOR AT LEAST 5 SECONDS, THE ZONE BEFORE THE CURVE WILL BEGIN ACCUMULATING.
- 8) ADJUST THE DIP SWITCHES TO "10 SECONDS ON" ON THE ON TIMER DELAY IN THE WL2000. THIS SHOULD ALLOW SUFFICIENT TIME FOR PRODUCT DOWNSTREAM TO CLEAR OUT OF THE WAY WHEN THE ZONE BEFORE THE CURVE RELEASES PRODUCT AGAIN AFTER 10 SECONDS.

I	BH	01/07/09	REMOVED NOTES PERTINENT TO ZIM POTENTIOMETER SETTINGS	8949
H	SW	01/07/09	REVISED FOR CLARITY	8949
A	CLR	12/29/98	RELEASED	
REV.	INT.	DATE	CHANGES	ECO#
FO No. FAD			TITLE 190LSE/ABE	
DIST. STANDARD			CCA/ INDEXING CONTROL WIRING	
USER			INSTRUCTIONS SICK PHOTO-EYE (29-086)	
AUTOMATED			UNIT EA	
CONVEYOR SYSTEMS, INC.			TOLERANCES: DECIMAL ±0.03125", ANGULAR ±1° UNLESS OTHERWISE SPECIFIED	
WEST MEMPHIS, ARKANSAS			DESIGNED BY: T. STOREY	DATE 01/07/09
			CHECKED BY: T. STOREY	DATE 01/07/09
			APPROVED BY: T. STOREY	DATE 01/07/09
			SCALE 1/16"=1"	NEXT ASSEMBLY
			REV. 1	DRAWING NUMBER FAD-130