

REVISIONS			
REV	DESCRIPTION	DATE	APP
A	ORIGINAL RELEASE PER DDR	11/02/05	ADG

NOTES:

1. THE SENSOR (DIGI-PULSE, HALL EFFECT, MAGNETORESISTIVE) SHOULD BE PLACED IN A CONVENIENT LOCATION, WHICH MAINTAINS ACCESS TO THE UNIT SHOULD REPAIRS OR READJUSTMENT BE REQUIRED.
2. FOR COMPLIANCE WITH EMI/RFI REQUIREMENTS THE SENSOR HOUSING MUST BE PROPERLY GROUNDED. THIS IS ACHIEVED BY CONNECTING THE BRAIDED SHIELD TO THE CABLE CLAMP OF THE MATING CONNECTOR OR BY CONNECTING THE BRAIDED SHIELD OF THE PIGTAIL LEADS TO GROUND.
3. IF A NEMA OR EXPLOSION PROOF ENCLOSE IS USED TO HOUSE THE SENSOR, THE ENCLOSURE MUST BE PROPERLY GROUNDED.
4. THE CABLE ENTRY REQUIRES 360° GROUNDING COVERAGE TO THE ENCLOSURE CASE. THIS IS OBTAINED BY USING MULTICONDUCTOR CABLE WITH FULL BRAID AND A CABLE FITTING THAT PROVIDES A METAL TO METAL CABLE CLAMPING CONNECTION. THE INSULATION OF THE CABLES SHOULD BE STRIPPED BACK TO ALLOW FOR CONNECTION TO THE SENSOR AND ALLOW FOR THE CABLE FITTING TO CLAMP ONTO THE BRAIDED SHIELD. ANY OPEN AREAS SHOULD THEN BE COVERED USING FOIL TAPE.
5. IN HAZARDOUS LOCATIONS WHERE METAL CONDUIT IS USED, 360° GROUNDING IS ACHIEVED. ALL CABLE SHIELDS SHOULD BE TERMINATED TO THE ENCLOSURE GROUNDING STUD.
6. WARNING: TO AVOID DAMAGE TO SENSOR, IT IS REQUIRED THAT THE INPUT POWER BE CURRENT LIMITED TO 400MA TO AVOID OVERPOWERING THE SENSOR IN THE EVENT OF IMPROPER FIELD WIRING.
7. CAUTION: PULSE OUTPUT IS NOT SHORT CIRCUIT PROTECTED. ENSURE PROPER WIRING BEFORE APPLYING POWER. IMPROPER WIRING WILL CAUSE CATASTROPHIC DAMAGE TO THE SENSOR.

MATERIAL	APPROVALS		<b>MOTION SENSORS INC.</b> ELIZABETH CITY, NC 27909				
NONE	DRAWN D.GUYDAN	DATE 10/28/05					
FINISH	CHECK J.DEFEO	11/02/05	TITLE				
NONE	ISSUED M.BERGMAN	11/02/05	INSTALLATION DRAWING ACTIVE SENSORS				
CONFIDENTIAL PROPERTY OF MOTION SENSORS, INC. (MSI) NOT TO BE DISCLOSED TO OTHERS, REPRODUCED, OR USED FOR ANY OTHER PURPOSE, EXCEPT AS AUTHORIZED IN WRITING BY MSI. MUST BE RETURNED ON DEMAND.	DIMENSION UNITS UOS    INCH <del>MM</del> <del>INCH</del> <del>MM</del>		SIZE	CAGE CODE	DWG NO	REV	
	CONFIDENTIAL TOLERANCES SHALL BE AS INDICATED BELOW UNLESS OTHERWISE SPECIFIED (UOS): 1 PLACE DECIMAL    ±.015 2 PLACE DECIMAL    ±.01 3 PLACE DECIMAL    ±.005 FRACTIONAL    ±1/64 ANGULAR    ±1/2°		A	OY2U4	ST-A-1554	A	
			SCALE	NONE		SHEET	1 OF 1