

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 THAT MAINTAINS ACCESS TO THE UNIT SHOULD REPAIR 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.
3. IT IS IMPORTANT THAT THE EQUIPMENT BE INSTALLED ACCORDING TO THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AT THE INSTALLATION SITE. IN THE UNITED STATES REFERENCE SHOULD BE MADE TO ARTICLE 504 OF THE NATIONAL ELECTRIC CODE, AND ISA RP 12.6.
4. REFER TO DRAWING [ST-A-1298 \(SHT 2\)](#) FOR INSTALLATION DETAILS.
5. 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.
6. 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			MOTION SENSORS INC. ELIZABETH CITY, NC 27909			
NONE	DRAWN D.GUYDAN	DATE 10/28/05		TITLE INSTALLATION DRAWING INTRINSICALLY SAFE ACTIVE SENSORS			
FINISH	CHECK J.DEFEO	11/02/05					
NONE	ISSUED M.BERGMAN	11/02/05					
	DIMENSION UNITS UOS	INCH	MM INCH [MM]				
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.		DEFAULT TOLERANCES SHALL BE AS INDICATED BELOW UNLESS OTHERWISE SPECIFIED (UOS):		SIZE A	CAGE CODE OY2U4	DWG NO ST-A-1553	REV A
	1 PLACE DECIMAL ±.015	2 PLACE DECIMAL ±.01	3 PLACE DECIMAL ±.005	SCALE NONE	SHEET 1 OF 1		
	FRACTIONAL ±1/64	ANGULAR ±1/2'					