

INSTRUCTION PUBLICATION FILE E51 INDUCTIVE PROXIMITY SENSOR HEADS

INTRODUCTION

These Inductive Proximity Sensors are designed to sense metal targets. The E51DS7, E51DT7, E51DS8, and E51DT8 heads can discriminate between Ferrous and Non-Ferrous metals. Total encapsulation improves ability to withstand shock and vibration.

SENSING DATA

Catalog Numbers	E51DS1 E51DT1 E51DS2 E51DT2	E51DS5 E51DT5 E51DS6 E51DT6	E51DS7 E51DT7 (Non-Ferrous)	E51DS8 E51DT8 (Ferrous)
Target Parameters	39 mm Square x 1 mm Thick CRS	72 mm Square x 1 mm Thick CRS	30 mm Square x 1 mm Thick, Type 1100-0 Aluminum	30 mm Square x 1 mm Thick, Type 1015 CRS
Sn (Rated Sensing Distance)	13 mm (.51 in.)	24 mm (.944 in.)	8 mm (.315 in.)	8 mm (.315 in.)
Operating Temperature Range	-25°C to +70°C (-4°F to +158°F)	-25°C to +70°C (-4°F to +158°F)	-25°C to +70°C (-4°F to +158°F)	-25°C to +70°C (-4°F to +158°F)

NOTE: Installation and use of Cutler-Hammer products not in accordance with these instructions could be hazardous to personnel and/or equipment.

Tighten sensor head screws to 18 inch pounds of torque for proper seal.

Exception: When mounting head on E51SCN (plastic body) tighten screws to 8 in.-lb.